

SEARCH and DISPLAY Field Codes

There are no fields that allow left truncation.

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index (contains single words from the textual information associated with the Markush structures) (1)	None (or /BI)	S MESO S PHARMACEUT? (L) SALT#	MSTR
Accession Number CAplus Accession Number Entry Date (2) Update Date (2)	/AN /ANPL /ED /UP	S 118:93622/AN S 2000:271958/ANPL S 19990305/ED S L1 AND UP>=19990100	AN ANPL Not displayed Not displayed

(1) Only structure-related text terms are included; terms from the CAplus Basic Index are not searchable.

(2) Numeric search field that may be searched using numeric operators or ranges.

Limiting Search Codes

Only an L-number for an answer set created in MARPAT may be limited.

Search Field Name	Search Code	Search Examples	Display Codes
Answers completely iterated	/COMPLETE	S L4/COM (1)	Not displayed
Answers incompletely iterated	/INCOMPLETE	S L4/INC (1)	Not displayed

(1) The code may be abbreviated to the first three letters.

Structure Search Terms

Novice SEARCH provides prompts to allow you to modify some query attributes, e.g., MLEVEL, before search is run.

Term	Search Examples
L-number of a structure built using the STRUCTURE command or uploaded from STN Express (1)	SEARCH L1 CSS FUL S L2 S L7 SUBSET=L5

(1) The L-number answer set from a structure search may be combined with text terms, e.g., S L6 AND SALTS.

Types of Structure Searching

Novice SEARCH provides prompts to allow you to modify some query attributes, e.g., MLEVEL, before the search is run.

Туре	Definition	Search Code	Search Examples
Substructure (default)	Search for substances that match the query. Substitution is allowed at all open positions.	SSS	SEARCH L1 SSS FUL S L2
Closed Substructure	Search for substances that match the query exactly. Substitution is allowed at positions opened by CONNECT.	CSS	SEARCH L1 CSS FUL SEA L4 CSS SUB=L2

Scopes of Structure Searches

Novice SEARCH provides prompts to allow you to modify some query attributes, e.g., MLEVEL, before the search is run.

To create an L-number answer set containing candidate structures that have passed the screening step of your structure search, enter EXTEND on the search command line or enter SET EXTEND ON or SET EXTEND ON PERM at an arrow prompt (=>). For details, enter HELP SET EXTEND at an arrow prompt.

Scope	Definition	Search Code	Search Examples
Sample (default) (1) Full Bange	Search a fixed 5% of the file Search 100% of the file Search a user-specified portion of the file	SAM FUL RAN	SEARCH L1 SAM SSS S L5 SSS FUL S I 4 RAN=(V117)
Subset Sample	Search a fixed sample of an answer set created by a search in MARPAT	SUB SAM	S L7 CSS SUB=L5 SAM
Subset Range	Search a user-specified portion of an answer created by a search in MARPAT	SUB RAN RAN=(V118)	S L3 SUB=L2
Subset Full	Search 100% of an answer set created by a search in MARPAT	SUB FUL	S L8 SUB=L6 FUL

(1) EXTEND is not valid with SAMPLE.

DISPLAY Formats

Any combination of formats may be used to display answers. Multiple codes must be separated by spaces or commas. The fields are displayed in the order requested, e.g., D TI AU. The default Generic Group display (expanded form) has GTEXT set to ON. To use the compact form, enter SET GTEXT OFF at an arrow prompt (=>).

Hit-term highlighting is available in the AN and MSTR fields. MARHIGHLIGHT must be ON during SEARCH in order to use HIT, FHIT, FQHIT, and QHIT formats.

Format	Content	Examples
AB	Abstract Text	D AB
AI (AP) (1)	Patent Application Information	D AI PI
AI.B (ÁP.B) (1)	Patent Application Information, Basic	D AI.B
AN	Accession Number	DISPLAY L2 1-10 AN HIT
ANPL	AN and CAplus Accession Number	D ANPL
CC (SC)	CA Classification Code (CA section and section cross-references)	D CC
CO	CODEN	D CO, D ISN
CT (2)	Controlled Term	DCT
CYA (2)	Country of Author	D CYA
CYC (CY.CNT) (2)	Patent Country Count	D CYC
DN	Document Number	D DN
DS (2)	Designated States	D PI DS
DS.B (2)	Designated States, Basic	D DS.B
DT (TC)	Document Type	D DT
FAN	Family Accession Number	D FAN
FS (2)	File Segment (Section Group)	DFS
GI (3)	Graphic Image or Graphic Image Information	D GI
ICA	Additional or Supplementary IPC	D 2-10 ICA
ICI	Index or Complementary IPC	D 5 8 ICI
ICM	Main IPC	DICM
ICS	Secondary IPC	DICS
IN (AU)	Inventor Name	DIN
ISN (ISSN) (2)	International Standard (Document) Number	D ISN
IT (4)	Index Term and CAS role	D AN IT
JT (JTA, JTF)	Journal Title	D JT, D JTA, D JTF
LA	Language	D LA
MSTR	All Markush structures and related text	D AN MSTR
MSTR(n) (2)	Markush structure n and its related text	D AN MSTR (1)
NCL	National Patent Classification	D NCL

DISPLAY Formats	(cont'd)
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Format	Content	Examples
PSPI (STI) PSPI.B OS PA (CS) PI (1) PI.B (PN.B) (1,2) PN PNC (PN.CNT) (2) PNK PNK.B PRAI (PRN) (1) PRAI.B (PRN.B)(1) PY (2) PY.B (2) RE (3) RETABLE (2,3) RE.CNT (REC) (3) RL (4) RN (2) SO ST SX (2,5) TI UPP	Patent Status Patent Information Patent Status Patent Information, Basic Other Source Patent Assignee Patent Information Table Patent Information, Basic Patent Number Patent Number Patent Number Count Patent Number/Kind Code Patent Number/Kind Code, Basic Priority Application Information Priority Application Information, Basic Publication Year Publication Year, Basic Cited References Cited References Table Citing Document's Reference Count Index Term and CAS role CAS Registry Numbers Source Supplementary Term (CA keyword) CA Section Cross-Reference Code Title of Document Update Date Patent	D PSPI D PSPI.B D OS D PA D TI PI D PI.B D PN D PNC D PNK D PNK.B D AI PRAI D PRAI.B D PY D TI PY.B D TI AU RETABLE D TI AU RETABLE D REC D RL D AN RN D TI AU SO D ST D TI SX D TI MSTR D UPP
ABS ALL (1,4) APPS (1) APPS.B (1) BIB (1) CAN CBIB DALL (1,4) DMAX (1,4) FAM (1) FAN FBIB (1) IABS IALL (1,4) IBIB (1) IC IDE IMAX (1,4) IND (4) IPC ISTD (1) MAX (1,4) OBIB (1) OIBIB (1) PATS (1) PATS (1) PATS.B (1) SAM (4) SBIB (1)	GI, AB AN, TI, IN, PA, SO, DT, LA, NCL, CC, FAN.CNT, PI, PRAI, PSPI, OS, GI, AB, ST, IT, RL, RE.CNT, RE, MSTR AI, PRAI AI.B, PRAI.B AN, TI, IN, PA, SO, DT, LA, FAN.CNT, PI, PRAI, PSPI, OS, RE.CNT (BIB is the default) List of CA Abstract Numbers (no L-number header) AN, plus Compressed Bibliographic Data ALL, delimited for post-processing MAX, delimited for post-processing AN, FAN.CNT, PI for the accession number, plus PI for other family accession numbers Family Accession Number (AN, FAN.CNT, FAN) BIB plus PI for other family accession numbers ABS, with text labels ALL, indented with text labels BIB, indented with text labels BIB, indented with text labels International Patent Classification, Main and Secondary AN, MSTR MAX, indented with text labels IPC, NCL, CC, ST, IT, RL International Patent Classifications (IC (ICM, ICS), ICA, ICI) STD, indented with text labels ALL, plus PI for other family accession numbers BIB, Original (AN, TI, IN, PA, SO, PI, DS, AI, PRAI, PSPI, DT, LA, OS) OBIB, indented with text labels SO, PI SO, PI for basic patents IPC, NCL, CC, SX, TI, ST, IT, and FQHIT BIB, without RE.CNT (AN, DN, TI, AU, IN, CS, PA, SO, PB, DT, LA, FAN.CNT, PI, PRAI, PSPI, OS)	D ABS D L2 1-7 ALL D APPS D APPS.B D 1-3 BIB HIT D CAN DISPLAY L1 1 CBIB D DALL D MAX D FAM D FAM D FAN D FAN D FBIB D IABS D IALL D IBIB D IC D IDE D IMAX D TI IND D IPC D ISTD D MAX D OBIB D OIBIB D OIBIB D PATS.B DIS SAM 1-5 D 1 3 SBIB
SCAN (3,4,6) SIBIB (1)	IPC, NCL, CC, TI, ST, IT, RL, FQHIT (random display, no answer numbers) SBIB, indented with text labels	D SCAN D SIBIB

DISPLAY Formats (cont'd)

Format	Content	Examples
STD (1)	AN, TI, IN, PA, SO, DT, LA, FAN.CNT, PI, PRAI, PSPI, NCL, OS, RE.CNT	D STD
FHIT	The first full Markush structure that matches the query structure and (or) the fields containing hit text terms	D CBIB ABS FHIT
FQHIT (7,8)	Portions of the first Markush structure that match the query structure and (or) fields containing the first query focus hit text terms	D FQHIT
FQHITEXG (7,9)	FQHIT plus definitions for unmatched G-groups that are visible in the assembled display	D FQHITEXG
HIT	The full Markush structure(s) that match the query structure and (or) the fields containing hit text terms	D CBIB ABS HIT
QHIT (7,8)	The portions of each Markush structure that match the query structure and (or) the fields containing hit text terms	D QHIT
QHITEXG (7,9)	QHIT plus definitions for unmatched G-groups that are visible in the assembled display	D QHITEXG

(1) By default, patent, application, and priority numbers are displayed in STN format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter SET PATENT STN.

(2) Custom display only.

(3) No online display fee for this format.

(4) By default, roles are displayed as codes and text. To suppress the display of role codes and text, enter SET ROLES OFF. To display only codes, enter SET ROLES CODES.

(5) SX displays all information in the CC field, i.e., CA section and section cross-references.

(6) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

(7) SET MPTASSEMBLY command allows you to control answer assembly formats and is set ON as a system default. To change the MARPAT display, enter SET MPTASSEMBLY BOTH or SET MPTASSEMBLY OFF. If MPTASSEMBLY is set to BOTH or ON and assembly is not possible, only the unassembled display will be shown. For more information on SET MPTASSEMBLY see HELP T13 in MARPAT.

(8) If you want to retain the original FQHIT/QHIT format, SET MPTASSEMBLY OFF.

(9) Even if MPTASSEMBLY is set to OFF, the unmatched G-group definitions available in the QHITEXG and FQHITEXG formats will only be shown with assembled displays. If MPTASSEMBLY is set to BOTH, an unassembled display will follow.

Displaying CAplus or MEDLINE documents for cited references

Enter the following in the DISPLAY command: L-number for the answer set; answer number (only one may be specified); RAN.CAPLUS(x-y), RAN.MED(x-y) where (x-y) is the cited reference number, numbers, or range of numbers; and the display format for the document to display, e.g., BIB ABS. For example, to display CAplus records for the cited references 1 and 2 from answer 2 in the answer set L5, enter the following:

=> D RAN.CAPLUS(1-2) L5 2 BIB ABS

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT	SORT
Abstract Text	AB	Y	Ν
Accession Number	AN	Y (1)	Ν
Author (Inventor)	AU (IN)	Y	Y
CA Classification Code (section and subsection)	CC (SC)	Y	Y
CA Section Cross-Reference Code	SX	Y	Y
CAS Registry Number	RN	Y (2)	Ν
CAS Role	RL	Y	Ν
Cited References	RE	Y	Ν
Cited Reference(n)	RE(n)	Y (3)	Ν
Cited Reference Accession Number in CAplus	RAN.CAPLUS	Y (4)	Ν

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT	SORT
Cited Reference Accession Number(n) in CAplus		\vee (3.4)	N
Cited Reference Accession Number in MEDLINE		\vee (5)	N
Cited Reference Accession Number in MEDLINE		\vee (3.5)	N
Cited Reference Accession Number(II) in MEDLINE		\vee (6)	N N
Cited Reference Author Name		1 (O)	
Cited Reference Count	RE.CNT (REC)	Y V	Y
Cited Reference Patent Number	RPN	Y	N
Cited Reference Publication Year	RPY	Y	N
Cited Reference Work Litle	RWK	Y	N
CODEN	CODEN	Y (7)	Y
Controlled Term	СТ	Y	N
Corporate Source (Patent Assignee)	CS	Y	Y
Country Name of Author	CYA	Y	Y
Designated State	DS	Y	N
Designated States, Basic	DS.B	Y (8)	N
Document Type	DT (TC)	Y (10)	Y
Family Accession Number	FAN	Y (9)	Ν
File Segment	FS	Y	Y
Index Term	IT	Ý	Ň
International Standard Serial Number	ISSN (ISN)	Y (7)	Y
IPC	IPC	\times (11)	Ý
IPC Additional or Supplementary			V
IPC Index or Complementary		V I	I V
IPC, Index of Complementary			T V
IPC, Main		T V	Ť
IPC, Main and Secondary		Y	Ý
IPC, Secondary		Y	Y
Journal Litle	JI	Y	Y
Language	LA	Y	Y
National Patent Classification	NCL	Y	Y
Other Source	OS	Y	Y
Patent Application Country	AC	Y	Y
Patent Application Country, Basic	AC.B	Y (12)	Y
Patent Application Date	AD	Y	Y
Patent Application Date, Basic	AD.B	Y (13)	Y
Patent Application Information	AI	Y (14,15)	Y
Patent Application Information, Basic	AI.B	Y (15,16)	Y
Patent Application Number	AP	Y (15)	Y
Patent Application Number, Basic	AP.B	Y (15,17)	Y
Patent Application and Priority Number	APPS	Y (15,18)	Ν
Patent Application and Priority Number, Basic	APPS.B	Y (15,19)	Ν
Patent Application Year	AY	Y	Y
Patent Application Year, Basic	AY.B	Y (20)	Y
Patent Assignee	PA	Y	Y
Patent Countries	PCS	Y (21)	Ň
Patent Countries, Basic	PCS.B	Y (22)	N
Patent Country	PC	Y	Ý
Patent Country Basic	PCB	Y (23)	Ý
Patent Country Count		Y (24)	N
Patent Information	PI	$\vee (15, 25)$	
Patent Information Basic	PIB	V (15.26)	
Patent Kind Code		· (13,20) ∨	
Patent Kind Code, Pasie		V (27)	
Patent Number		(21)	T V
		T (15) V (45.00)	Υ N
Detent Number, Desis	PAIS	1 (15,28)	IN N
	PATS.B	Y (15,29)	r N

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT	SORT
Patent Number Count	PNC (PN.CNT)	Y (31)	Ν
Patent Number/Kind Code	PNK	Y	Y
Patent Number/Kind Code, Basic	PNK.B	Y	Y
Priority Application Country	PRC	Y	Y
Priority Application Country, Basic	PRC.B	Y (32)	Y
Priority Application Date	PPD	\mathbf{v}	V
Priority Application Date Pasic		' ∨ (22)	I V
Priority Application Information		⊤ (33) ∨ (15 34)	I V
Priority Application Information Resid		· (15,54) ∨ (15,25)	I V
Priority Application Number		T (15,55) V (15)	I V
Priority Application Number Drigrity Application Number		⊥ (15) V (15.26)	I V
Priority Application Voar		T (13,30) ∨	I V
Priority Application Vear Basic		' ∀ (37)	V I
Publication Data		(37) V	I V
Publication Date Basic		∣ V (38)	V I
Publication Vear	DV	· (30) ∨	V
Publication Year Basic		⊥ V (20)	I V
Fublication Tear, Dasic	FT.D SO	⊤ (39) ∨	I NI
Supplementary Term	SU ST	I V	IN NI
Title	TI	Y (default)	Ý

(1) SELECT HIT AN may be used to restrict terms extracted to those that match the search expression used to create the answer set.

- (2) Appends /BI to the terms created by SELECT.
- (3) (n) may be a single number, range, or a list of numbers separated by a space or comma.
- (4) Selects or analyzes cited reference accession number in CAplus and appends /AN to the terms created by SELECT.
- (5) Selects or analyzes cited reference accession number in MEDLINE and appends /AN to the terms created by SELECT.
- (6) Selects or analyzes cited reference author name and appends /RAU to the terms created by SELECT.
- (7) Appends /ISN to the terms created by SELECT.
- (8) Appends /DS to the terms created by SELECT.
- (9) Appends /AN to the terms created by SELECT.
- (10) Appends /DT to the terms created by SELECT.
- (11) Selects or analyzes IC, ICA, and ICI and appends /IPC to the terms created by SELECT.
- (12) Appends /AC to the terms created by SELECT.
- (13) Appends /AD to the terms created by SELECT.
- (14) Selects or analyzes Patent Application Number and appends /AP to the terms created by SELECT.
- (15) Enter SET PATENT DERWENT at an arrow prompt (=>) to SELECT patent, application, and priority numbers in Derwent format.
- (16) Selects or analyzes Basic Patent Application Number and appends /AP to the terms created by SELECT.
- (17) Appends /AP to the terms created by SELECT.
- (18) Selects or analyzes AP and PRN and appends /APPS to the terms created by SELECT.
- (19) Selects or analyzes AP.B and PRN.B and appends /APPS to the terms created by SELECT.
- (20) Appends /AY to the terms created by SELECT.
- (21) Selects or analyzes country codes from PI and DS and appends /PCS to the terms created by SELECT.
- (22) Selects or analyzes country codes from PI.B and DS.B and appends /PCS to the terms created by SELECT.
- (23) Appends /PC to the terms created by SELECT.
- (24) Appends /CY.CNT to the terms created by SELECT.
- (25) Selects or analyzes the Patent Number and appends /PN to the terms created by SELECT.
- (26) Selects or analyzes the Basic Patent Number and appends /PN to the terms created by SELECT.
- (27) Appends /PK to the terms created by SELECT.
- (28) Selects or analyzes the Patent Number and appends /PATS to the terms created by SELECT.
- (29) Appends /PN to the terms created by SELECT.
- (30) Selects or analyzes the Basic Patent Number and appends /PATS to the terms created by SELECT.
- (31) Appends /PN.CNT to the terms created by SELECT.
- (32) Appends /PRC to the terms created by SELECT.
- (33) Appends /PRD to the terms created by SELECT.
- (34) Selects Priority Number and appends /PRN to the terms created by SELECT.
- (35) Selects Basic Priority Number and appends /PRN to the terms created by SELECT.
- (36) Appends /PRN to the terms created by SELECT.
- (37) Appends /PRY to the terms created by SELECT.
- (38) Appends /PD to the terms created by SELECT.
- (39) Appends /PY to the terms created by SELECT.

Sample Record

DISPLAY IALL (GTEXT= ACCESSION NUMBER:	=ON) * * *	132:264964*	** MARPAT			
TITLE:	Prepa	ration of a	romatic hydroxythiols	s from		
	bis-d	iazonium sa	lts Buckman Dawid: Mac	Frig		
PATENT ASSIGNEE(S)	: Allie	Zhang, Mingbao; Ryckman, David; Mac, Eric AlliedSignal Inc., USA				
SOURCE :	U.S., CODEN	5 pp. : USXXAM				
DOCUMENT TYPE:	Paten	t				
LANGUAGE:	Engli	sh				
INITIAL US PAT. CLA INT. PATENT CLASSIF	ASS.: 56806 7.:	2000				
INITIAL CLASS:	C07C0	319-02 [ICM	,7]			
RECLASSIFICATION	C07C0	319-06 [I];	C07C0319-22 [I]; C07	7C0319-24 [I];		
	C07C0	323-20 [N];	C07C0323-29 [N]	D. E40/476 000.		
US PAIENI CLASSIF.	· 500/0 549/5	568/062.000; 548/544.000; 549/062.000; 549/4/6.000; 549/505.000; 568/061.000				
CLASSIFICATION:	25-10	(Benzene,	Its Derivatives, and	Condensed		
	Benze	noid Compou	nds)			
FAMILY ACC. NUM. CO	Secti NINT: 1	on cross-re	<pre>terence(s): 45</pre>			
PATENT INFORMATION	:					
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
US 6054622	А	20000425	US 1998-213144	19981218		
WO 2000037439	A1	20000629	WO 1999-US29579	19991215		
EP 1140816	AL 1	20011010	EP 1999-966198	19991215		
PRIORITY APPLN. IN	ы. 70.:	20011010	US 1998-213144	19981218		
-			WO 1999-US29579	19991215		
PATENT STATUS PATER	NT INFORMATI	ON:				
PATENT NO.	KIND	STATUS	STATUS DATE			
US 6054622	А	Dead	20201106			
WO 2000037439	Al	Dead	20201106			
EP 1140816	Al 1	Dead	20201106			
OTHER SOURCE(S):	CASRE	ACT 132:264	964			
GRAPHIC IMAGE:	Diagr	am(s) avail	able in offline print	ts or printed CA		
	throu	gh Vol 151.				
Abstract: Arom. hydroxythiols selectivity by oxic aminodisulfide comp compd., and reactin hydroxyldisulfide comp	s (e.g., 3-h dizing an ar od., forming ng the bis-d compd., whic	ydroxythiop om. aminoth a bis-diaz iazonium sa h is then r	henol) are prepd. in iol (e.g., 3-aminothionium salt of the ami lt with water to form educed to the hydroxy	high yield and iophenol) to an inodisulfide m an arom. ythiol.		
SUPPL. TERM:	hydroxythio	phenol prep enol oxidn	n; arom hydroxythiol	prepn;		
	hydroxythio	phenol		facton fean prepn		
INDEX TERM:	Thiols (org	anic), reac	tions			
	Thiols (org	anic), reac	tions			
	ROLE: RCT (Reactant); arom : prep	RACT (Reactant or rea n of arom hydroxyth	agent) Diols from		
	bis-diaz	onium salts)			
INDEX TERM:	Thiols (org	s (organic), preparation				
	Thiols (org	anic), prep	aration			
	KULE: IMF (Industrial	manuIacture); SPN (Sy eparation)	ynthetic		
	(aryl, a	rom. hydrox	ythiols; prepn. of an	rom. hydroxythiols		
	from bis	-diazonium	salts)			

DISPLAY IALL (GTEXT=ON) (cont'd)

INDEX TERM:	Diazonium compounds
	ROLE: RCT (Reactant); SPN (Synthetic preparation); PREP
	(Preparation); RACT (Reactant or reagent)
	(bis-diazonium salts of aminodisulfide compds.)
INDEX TERM:	Thermal decomposition
	(in the manuf. of arom. hydroxythiols from bis-diazonium
	salts)
INDEX TERM:	Oxidation
	(ligphase; of arom. aminothiols into diamino diaryl
	disulfides)
INDEX TERM:	Hydroxylation
	(of bis-diazonium salts of arom. aminodisulfide compds.)
INDEX TERM:	Diazotization
	(of diamino arom. disulfides in the manuf. of arom.
	hydroxythiols)
INDEX TERM:	Amines, reactions
	Amines, reactions
	ROLE: RCT (Reactant); RACT (Reactant or reagent)
	(thiol, arom.; prepn. of arom. hydroxythiols from
	bis-diazonium salts)
INDEX TERM:	Phenols, preparation
	Phenols, preparation
	ROLE: IMF (Industrial manufacture); SPN (Synthetic
	preparation); PREP (Preparation)
	(thiophenols, arom. hydroxythiols; prepn. of arom.
	hydroxythiols from bis-diazonium salts)
INDEX TERM:	1121-24-0 45993-54-2 80018-01-5 106949-90-0
	1025798-13-3 1027055-83-9 1097992-04-5
	ROLE: PRPH (Prophetic)
	(Preparation of aromatic hydroxythiols from bis-diazonium
	salts)
INDEX TERM:	7732-18-5, Water, reactions
	ROLE: NUU (Other use, unclassified); RCT (Reactant); RACT
	(Reactant or reagent); USES (Uses)
	(prepn. of arom. hydroxythiols from bis-diazonium salts)
INDEX TERM:	137-07-5, 2-Aminothiophenol 1193-02-8, 4-Aminothiophenol
	7632-00-0, Sodium nitrite 22948-02-3, 3-Aminothiophenol
	ROLE: RCT (Reactant); RACT (Reactant or reagent)
	(prepn. of arom. hydroxythiols from bis-diazonium salts)
INDEX TERM:	40248-84-8P, 3-Hydroxythiophenol
	ROLE: SPN (Synthetic preparation); PREP (Preparation)
	(prepn. of arom. hydroxythiols from bis-diazonium salts)
REFERENCE COUNT:	14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
	RECORD.
REFERENCE(S):	(1) Allen; Org Synth Coll 1943, V1, P580
	(2) Anon; Gazz Chim Ital 99 by Cabiddu 1969, P1095
	(3) Anon; J Amer Chem Soc By Djerassi 1955, V77, P568
	(4) Anon; J Chem Soc by Watson and Dutt 1922, V121, P2414
	(5) Christidis; US 4948827 1990 CAPLUS
	(6) Cohen; J Org Chem 1977, V42(12) CAPLUS
	(7) Ganushchak; 1992, V28(3), P531 CAPLUS
	(8) Gutcho; US 2820780 1958 CAPLUS
	(9) Krauss; US 4734527 1988 CAPLUS
	(10) Laufer; US 3479407 1969 CAPLUS
	(11) Ungnade; Org Synth Coll 1955, V3, P130
	(12) Watson; J Chem Soc 1922, V121, P2414 CAPLUS
	(13) Werner; US 2286701 1942 CAPLUS
	(14) Yiannios; J Org Chem 1963, V28, P3246 CAPLUS

DISPLAY IALL (GTEXT=ON) (cont'd)

MSTR 1
H2N-G1-SH
G1 = arylene (opt. substd.) / 4-1 5-3 / heterocycle <1-10 rings> /
 (specifically claimed phenylene (opt. substd. by G4))
G2-G3
G2 = carbon chain (opt. substd.)
G3 = arylene (opt. substd.)
G4 = alkyl / aryl /
 alkyl (substd. by 1 or more aryl)
 / 6 / alkoxy / NH2 (substd.)
HN-C(0) R

Patent location: claim 3

12 MARPAT DISPLAY FBIB MSTR(1) (GTEXT=ON)

AN	130:146287 MARP	AT				
TI	Liquid crystal c	omposi	tion for displa	ay device		
IN	Kaneko, Masaharu; Kadowaki, Masami; Sato, Hideki					
PA	Mitsubishi Chemical Corporation, Japan					
SO	U.S., 16 pp.					
	CODEN: USXXAM					
DT	Patent					
LA	English					
FAN.C	CNT 2					
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 5866033	A	19990202	US 97-946859	19971008	
				JP 96-277789	19961021	
				JP 97-27684	19970212	
				JP 97-77234	19970328	
	JP 10183121	A2	19980714	JP 97-77234	19970328	
				JP 96-277789	19961021	
PATEI	NT FAMILY INFORMA	TION:				
FAN	129:154760					
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	JP 10183121	 A2	19980714	JP 97-77234	 19970328	
				JP 96-277789	19961021	
	US 5866033	A	19990202	US 97-946859	19971008	
				JP 96-277789	19961021	
				JP 97-27684	19970212	
				JP 97-77234	19970328	
MSTR	1					



G2 = cyclohexyl (opt. substd. by 1 or more G3) / Ph (opt. substd. by 1 or more G3)
G3 = alkyl / alkoxy /
alkyl (substd. by alkoxy / alkoxy /
alkyl (substd. by alkoxy) / halo
/ cyclohexyl (opt. substd.by 1 or more G3) /
Ph (opt. substd. by 1 or more G3) / 39 / (Example: 41)

DISPLAY QHIT (SET MPTASSEMBLY ON = SYSTEM DEFAULT)

MSTR 1 Assembled

$$G1 - 0 \quad 0$$

 $C - C - G5$
 $G3$

Patent location:	claim 1
Note:	also incorporates claim 10
Note:	or pharmaceutically acceptable salts, solvates, or prodrugs
Stereochemistry:	or diastereomers or enantiomers or stereoisomers

DISPLAY QHIT (SET MPTASSEMBLY OFF)

MSTR 1	
G1G4	
G2 = Ph G4 = 3	
3 G2 G3 G2 G3	
Patent location:	claim 1
Note:	also incorporates claim 10
Note:	or pharmaceutically acceptable salts, solvates, or prodrugs
Stereochemistry:	or diastereomers or enantiomers or stereoisomers

DISPLAY QHIT (SET MPTASSEMBLY BOTH)

MSTR 1 Assembled

$$\begin{array}{c}
 G1-0 & 0 \\
 \downarrow & \downarrow \\
 C-C-G5 \\
 \hline
 & G3
\end{array}$$

Patent location: claim 1 also incorporates claim 10 or pharmaceutically acceptable salts, solvates, or prodrugs or diastereomers or enantiomers or stereoisomers

Stereochemistry:

MSTR 1

Note:

Note:

G1____G4

G2 = Ph G4 = 3

> 3 G2 G3 G2 G3 G2 G3 G2

Patent location: Note: Note:

Stereochemistry:

claim 1 also incorporates claim 10 or pharmaceutically acceptable salts, solvates, or prodrugs or diastereomers or enantiomers or stereoisomers

DISPLAY QHITEXG

MSTR 2 Assembled



123: alkylene <containing 1-4 C> 125, 126, 128, 129, 131: opt. substd. by G7

Additional displayed G-groups: G1 = alkyl <containing 1-10 C> / any ring <containing zero or more N, zero or more O, zero or more S (no other heteroatoms), aromatic, 1-3 rings, including 5- or 6-membered rings> (opt. substd. by G7) / (Specifically claimed: Me / Ph (opt. substd. by G7)) / (Examples: Et / Pr-n / Pr-i / Bu-n / Bu-i / Bu-s / Bu-t)

G3 = H / R

Patent location:	claim 6
Note:	also incorporates claim 7
Note:	or salts

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