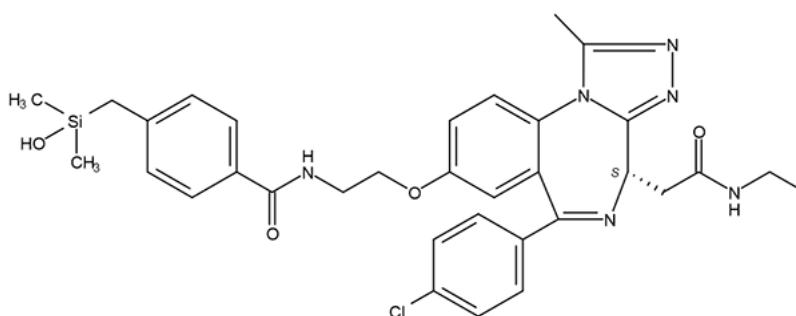


## CAS REGISTRY<sup>SM</sup>

### 50 Years Strong, 100 Million Substances Driving Your Research!

Started in 1965, CAS REGISTRY has changed the way research is done around the world. For the past 50 years, CAS REGISTRY has been meticulously curated by CAS scientists to help researchers quickly and confidently identify unique organic and inorganic chemical substances. On June 23, 2015, an important milestone was reached - the registration of the 100 millionth small molecule:



(4S)- 6-(4-Chlorophenyl)-N-ethyl-8-[2-[[4-[(hydroxydimethylsilyl)methyl]benzoyl]amino]ethoxy]-1-methyl-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine-4-acetamide; CAS Registry Number: 1786400-23-4.

Click [here](#) for more information.

### A Look at Recent Patenting Activity in Hydrogels, Water-Retaining Polymers

## patentpicks

Hydrogels, networks of either natural or synthetic polymers, get their names from their ability to absorb large amounts of water. Traditionally, the materials have been used in products for which moisture retention is vital, such as contact lenses and wound dressings. More recently, though, researchers have been modifying the gels to perform more sophisticated biomedical tasks, [according to CAS databases](#).

### Getting Your G-Groups Right

The goal of good chemical structure searching is to retrieve all of the substances which match your structure of interest, and only those substances. But even skilled structure searchers sometimes find unexpected answers in their answer sets that, at first glance, appear not to match the query structure that was searched. It's often possible to trace the irrelevant answers to your G-groups in classic STN<sup>®</sup> searches or F-groups in your new STN searches. In this [article](#), we'll discuss how you can maximize your search efficiency and save analysis time by getting your G-groups just right.



## Database News

### Recent CPC Developments: CPC Thesaurus Update and Earlier Assignment of CPC Codes to Korean Patent Documents

Development of the world's newest patent classification system continues. Click [here](#) for information on expanded information on the Y10T subclass in STN's latest version of the CPC Thesaurus, and on earlier assignments of CPC codes in Korean patent documents.

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### Major Update to GBFULL Improves Quality of Full Text

Great Britain Patents Full Text Database (GBFULL) covers the full text of patent applications and granted patents published in the United Kingdom. The supplier of GBFULL, LexisNexis Univentio, has rescanned all full text GBFULL documents from 2014 and earlier using new optical character recognition (OCR) software. This has improved the quality of the data in the Basic Index (/BI, which includes Claims and Detailed Description text), the Claims (/CLM) search and display field, and the Detailed Description custom display field. In total, more than 2.28 million national family records with more than 2.62 million publications have been updated. Documents with publication year 2015 were already processed with the new OCR software.

Due to the improved quality of the data, retrieval from searches of the Basic Index and the Claims field may now be higher. Note also that the improved GB documents have been indexed with /UP codes between 20150427 and 20150623, so Update (/UP) field searches in this range of dates will result in a large number of hit documents.

For more information on GBFULL, see its [Database Summary Sheet](#).

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## Search Tip

### Searching for Deuterated and Tritiated Substances

Customers frequently ask how to represent the hydrogen isotope deuterium in structures drawn in STN Express<sup>®</sup>. [Here](#) we answer that question in classic STN.

## Tradeshows

July 11-14  
Chicago, IL  
[IFT Annual Meeting](#)

July 18-21  
Philadelphia, PA  
[AALL](#)

July 25-30  
Copper Mountain, CO  
[American Society of Pharmacognosy Annual Meeting](#)

August 16-20  
Boston, MA  
[250th ACS National Meeting](#)

October 12-14  
New Brunswick, NJ  
[PIUG 2015 Northeast Conference](#)

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Save the Date!

**STN Patent  
Forum at  
PIUG NE**



**Monday, October 12, 2015**

Further details coming soon.