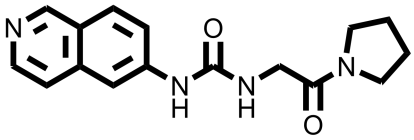
Xcess Biosciences Inc.
7144 N Harlem Ave #169
Chicago, IL 60631 USA

http://www.xcessbio.com
Toll free: 1-866-706-2330
Fax: 1-619- 810-0718
Email: info@xcessbio.com

Allosteric PRMT3 Inhibitor – SGC707

Chemical Name: 1-(isoquinolin-6-yl)-3-(2-oxo-2-(pyrrolidin-1-yl)ethyl)urea



Molecular Weight:	298.34
Formula:	$C_{16}H_{18}N_4O_2$
Purity:	≥98%
CAS#:	n/a
Solubility:	DMSO up to 100 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

Biological Activity:

SGC707 is a potent, selective and cell permeable allosteric protein arginine methyltransferase 3 (PRMT3) inhibitor with IC_{50} ~ 31 nM. It has >100-fold selectivity against 31 other methyltransferases and 250 other non-epigenetic targets. SGC707 engages PRMT3 and potently inhibits its methyltransferase activity in cells. It is also bioavailable and suitable for animal studies. This well-characterized chemical probe is an excellent tool to further study the role of PRMT3 in health and disease.

How to Use:

In vitro: SGC707 was used at 5-10 μM final concentration in various in vitro assays.

In vivo: n/a

Reference:

1. Kaniskan HÜ, et al. A Potent, Selective and Cell-Active Allosteric Inhibitor of Protein Arginine Methyltransferase 3 (PRMT3). (2015) Angew Chem Int Ed Engl. In press.