

Product Information

Product ID I544766
CAS No. 607742-69-8
Chemical Name 3-(Phenylsulfonyl)-8-(1-piperazinyl)quinoline

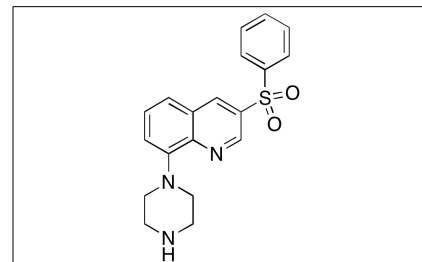
Synonym GSK-742457, SB-742457

Formula C₁₉H₁₉N₃O₂S
Formula Wt. 353.44
Melting Point
Purity ≥98%
Solubility Insoluble in water. Soluble in DMSO (60 mg/mL), ethanol (2 mg/mL).

Store Temp -20°C

Ship Temp Ambient

Description Intepirdine is a selective 5-HT₆ receptor antagonist. Lab studies have shown it has cognition enhancing effects and may be useful in the battle against Alzheimer's and other neurodegenerative diseases.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
I544766	1 mg	\$69.00
I544766	5 mg	\$121.00
I544766	25 mg	\$341.00
I544766	100 mg	\$998.00

References Grychowska K, Sataka G, Kos T, et al. Novel 1H-pyrrolo[3,2-c]quinoline based 5-HT₆ receptor antagonists with potential application for the treatment of cognitive disorders associated with Alzheimer's disease. *ACS Chem Neurosci*. 2016 Jul 20;7(7):972-983. PMID: 27100049.

Higgs S, Cooper AJ, Barnes NM. The 5-HT_{2C} receptor agonist, locaserin, and the 5-HT₆ receptor antagonist, SB-742457, promote satiety; a microstructural analysis of feeding behaviour. *Psychopharmacology (Berl)*. 2016 Feb;233(3):417-424. PMID: 26507195.

de Bruin NM, van Drimmelen M, Kops M, et al. Effects of risperidone, clozapine and the 5-HT₆ antagonist GSK-742457 on PCP-induced deficits in reversal learning in the two-lever operant task in male Sprague Dawley rats. *Behav Brain Res*. 2013 May 1;244:15-28. PMID: 23384714.

Callaghan CK, Hok V, Della-Chiesa A, et al. Age-related declines in delayed non-match-to-sample performance (DNMS) are reversed by the novel 5HT₆ receptor antagonist SB742457. *Neuropharmacology*. 2012 Oct;63(5):890-897. PMID: 22766392.

Idris N, Neill J, Grayson B, et al. Sertindole improves sub-chronic PCP-induced reversal learning and episodic memory deficits in rodents: involvement of 5HT(6) and 5-HT(2A) receptor mechanisms. *Psychopharmacology (Berl)*. 2010 Jan;208(1):23-36. PMID: 19851757.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.