

GW311616

Catalog No: tcsc3126



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

198062-54-3

Formula:

$C_{19}H_{31}N_3O_4S$

Pathway:

Metabolic Enzyme/Protease

Target:

Elastase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 44 mg/mL (110.68 mM)

Observed Molecular Weight:

397.53

Product Description

GW311616 is a potent, intracellular, orally bioavailable, long duration inhibitor of human neutrophil elastase(HNE) with IC50 of 22

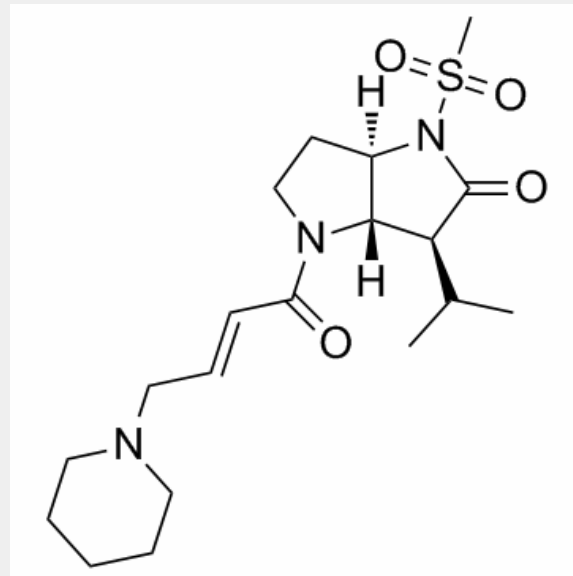
nM; free base form of GW311616A.

IC50 value: 22 nM [1]

Target: neutrophil elastase

The HNE inhibitor GW311616A is selective over other human serine proteases (IC50 values >100 μ M for trypsin, cathepsin G, and plasmin, >3 mM for chymotrypsin and tissue plasminogen activator). Acetylcholinesterase is not inhibited by GW311616A at 100 μ M. GW311616A is more potent than the trifluoromethylketone inhibitor ZD8321 (K_i =13 nM). GW311616A is orally bioavailable in rat, dog (Table 4) and hamster despite moderate to high plasma

clearance, which indicates that clearance is predominantly extrahepatic.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!