

Cilomilast

Catalog No: tcsc0470



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

153259-65-5

Formula:

$C_{20}H_{25}NO_4$

Pathway:

Metabolic Enzyme/Protease

Target:

Phosphodiesterase (PDE)

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

SB-207499

Observed Molecular Weight:

343.42

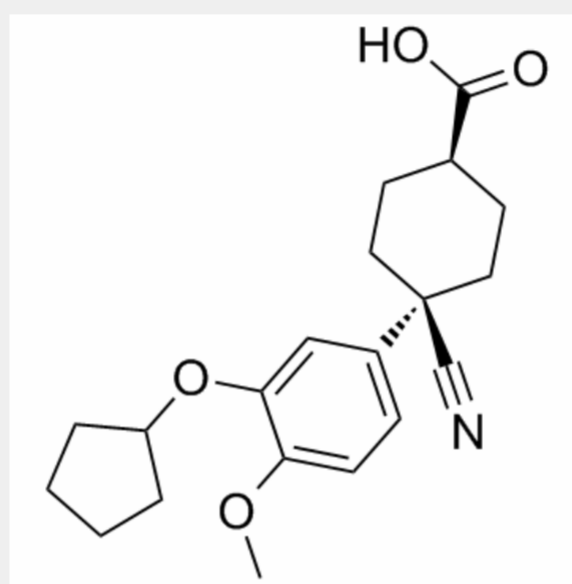
Product Description

Cilomilast (SB 207499; Ariflo) is a potent PDE4 inhibitor with IC₅₀ of about 110 nM, has anti-inflammatory activity and low central nervous system activity.

IC₅₀ value: 110 nM

Target: PDE 4

Cilomilast (SB-207499) inhibits HPDE4 and LPDE4 catalytic activity with equal potency ($K_i \approx 100$ nM). SB-207499 and rolipram are equipotent against LPDE4, but Cilomilast (Ariflo, SB-207499) is 100-fold less potent against HPDE4. This profile suggests that Cilomilast (Ariflo, SB-207499) retain the anti-inflammatory activity of rolipram yet have a decreased tendency to produce side effects.



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