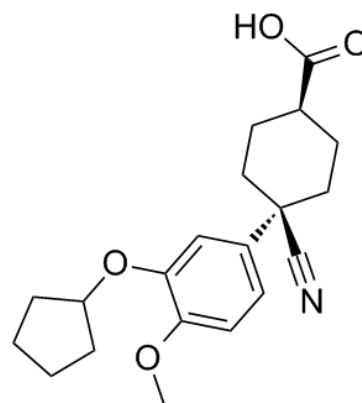


Product Name : Cilomilast
Cat. No. : PC-42698
CAS No. : 153259-65-5
Molecular Formula : C₂₀H₂₅NO₄
Molecular Weight : 343.4168
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

Cilomilast (SB207499) is a potent and selective **PDE4** inhibitor with IC₅₀ of 95/120 nM for LPDE4/HPDE4. Cilomilast (SB207499) shows selectivity for PDE4 over the other PDE isozymes and is 75-fold more selective than (R)-rolipram with respect to LPDE4 activity versus HPDE4 activity. Cilomilast (SB207499) inhibits antigen-induced bronchoconstriction in conscious guinea pigs at 30 mg/kg and orally active.

References

- Christensen SB, et al. *J Med Chem*. 1998 Mar 12;41(6):821-35.
Barnette MS, et al. *J Pharmacol Exp Ther*. 1998 Jan;284(1):420-6.
Griswold DE, et al. *J Pharmacol Exp Ther*. 1998 Nov;287(2):705-11.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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