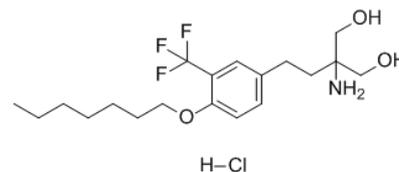


Product Name : Amiselimod hydrochloride
Cat. No. : PC-45066
CAS No. : 942398-84-7
Molecular Formula : C₁₉H₃₁ClF₃NO₃
Molecular Weight : 413.9026
Target : Lysophospholipid Receptor
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

Amiselimod (MT-1303) hydrochloride is a prodrug **S1P1** receptor modulator lacking S1P3 receptor agonism to avoid bradycardia associated with fingolimod and other S1P receptor modulators.

Amiselimod shows potent selectivity for S1P1 and high selectivity for S1P5 receptors, with minimal agonist activity for S1P4 and no distinct agonist activity for S1P2 or S1P3 receptors and approximately five-fold weaker GIRK activation than fingolimod-P.

Amiselimod exhibits potent therapeutic efficacy with minimal cardiac effects.

References

Sugahara K, et al. *Br J Pharmacol*. 2017 Jan;174(1):15-27.

Kappos L, et al. *Lancet Neurol*. 2016 Oct;15(11):1148-59.

Harada T, et al. *Br J Clin Pharmacol*. 2017 May;83(5):1011-1027.

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

E-mail: tech@probechem.com