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Data Sheet

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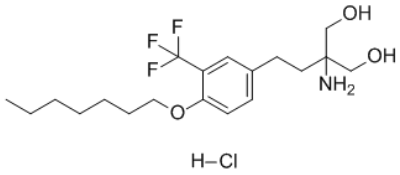
Product Name	:	Amiselimod hydrochloride
Cat. No.	:	PC-45066
CAS No.	:	942398-84-7
Molecular Formula	:	$C_{19}H_{31}ClF_3NO_3$
Molecular Weight	:	413.9026
Target	:	Lysophospholipid Receptor
Solubility	:	DMSO: ≥ 32 mg/mL



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

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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.

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