

TREM2 agonist-5

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	TREM2 agonist-5 is a ligand for the microglial lipid-sensing receptor (TREM2) and acts as an agonist with a Kd of 71.36 μ M. It is the racemic analog of the TREM2 agonist VG-3927 and demonstrates excellent microglial phagocytic activity in HEK293-hTREM2/DAP12 cells, effectively activating TREM2 signaling. TREM2 agonist-5 has superior in vitro pharmacokinetics compared to VG-3927 and is potentially useful for Alzheimer's disease research.
Targets(IC50)	Others
In vitro	TREM2 agonist-5 (Compound C1) demonstrates superior in vitro pharmacokinetic properties compared to VG-3927: it has increased metabolic stability in human and mouse liver microsomes, good passive permeability (PAMPA), and a CNS-compatible log D 7.4.

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