

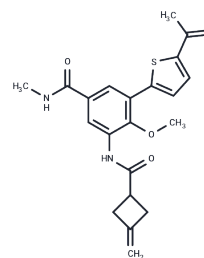
TREM2 agonist-3

Chemical Properties

CAS No. :

Formula: C₂₁H₂₂N₂O₄S

Molecular Weight: 398.48

Storage: Store at low temperature
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-3 (Compound 4i) is a direct TREM2 agonist (K _d =19.0 μM), and its K _d value for TREM1 is 39.8 μM. It induces Syk phosphorylation and enhances microglial cell phagocytosis, and can be used for the study of neurodegenerative diseases.
Targets(IC50)	Others

Solubility Information

Solubility DMSO: 80.00 mg/mL (200.76 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5095 mL	12.5477 mL	25.0954 mL
5 mM	0.5019 mL	2.5095 mL	5.0191 mL
10 mM	0.251 mL	1.2548 mL	2.5095 mL
50 mM	0.0502 mL	0.251 mL	0.5019 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nada H, et al. TREM2 activation by first-in-class direct small molecule agonists: DEL screening, optimization, biophysical validation, and functional characterization. Eur J Med Chem. 2026;302(Pt 3):118358.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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