

NOD2 antagonist 1

Chemical Properties

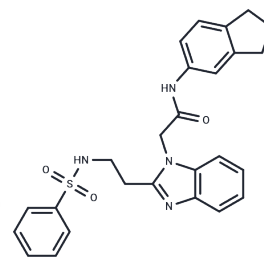
CAS No. : 2411441-54-6

Formula: C₂₆H₂₆N₄O₃S

Molecular Weight: 474.57

Storage: Store at low temperature, Keep away from moisture
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	NOD2 antagonist 1 (compound 32) is a selective NOD2 antagonist (IC ₅₀ =5.23 μM) that inhibits MDP-induced IL-8 secretion in THP-1 cells and suppresses MDP-induced IL-6, IL-10, and TNF-α in PBMCs.
Targets(IC ₅₀)	NOD

Solubility Information

Solubility DMSO: 28 mg/mL (59 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1072 mL	10.5359 mL	21.0717 mL
5 mM	0.4214 mL	2.1072 mL	4.2143 mL
10 mM	0.2107 mL	1.0536 mL	2.1072 mL
50 mM	0.0421 mL	0.2107 mL	0.4214 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

Guzelj S, et al. Structural features and functional activities of benzimidazoles as NOD2 antagonists. Eur J Med Chem. 2020;190:112089.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481