

Product Datasheet

D228 (orb2665092)

Catalog Number	orb2665092
Category	Small Molecules
Description	D228 is an orally active anti-inflammatory small molecule derived from Chimonanthus salicifolius. It suppresses lymphocyte activity, modulates the MyD88/TRAF6/p38 pathway, and elevates IL-10, demonstrating therapeutic potential for inflammatory bowel disease (IBD) in research models.
Target	MyD88,IL Receptor,p38 MAPK
Purity	99.91%
MW	484.45
Target Areas	MyD88 IL Receptor p38 MAPK
Solubility (25°C)	DMSO:40 mg/mL (82.57 mM)
CAS Number	2676188-98-8
Formula	C ₂₂ H ₂₈ O ₁₂
SMILES	<chem>O([C@H]1[C@H](OC(C)=O)[C@@H](OC(C)=O)[C@H](OC(C)=O)[C@@H](COC(C)=O)O1)C=2C(=O)C(=C(C)C)OC2C</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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