

Product Datasheet

Tryptanthrin (orb1299508)

Catalog Number	orb1299508
Category	Small Molecules
Description	Tryptanthrin is a natural product that acts as a DNA gyrase inhibitor. It is used in biochemical research to study bacterial replication and has shown antibacterial activity in both in vitro assays and in vivo infection models.
Target	NF-κB, Interleukin, TNF, NO Synthase, DNA gyrase, Leukotriene Receptor, COX
Purity	99.94% (May vary between batches)
MW	248.24
Target Areas	Leukotriene Receptor DNA gyrase TNF Interleukin COX NO Synthase NF-κB
Solubility (25°C)	Ethanol: 1 mg/mL (insoluble); DMSO: 5 mg/mL (20.14 mM); PBS: 1 mg/mL (insoluble)
CAS Number	13220-57-0
Formula	C ₁₅ H ₈ N ₂ O ₂
SMILES	O=C1N2C(C(=O)C=3C2=CC=CC3)=NC=4C1=CC=CC4
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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