

Product Datasheet

[Leu5]-Enkephalin (orb1685516)

Catalog Number	orb1685516
Category	Small Molecules
Description	Leu-enkephalin is an endogenous pentapeptide and potent agonist of the δ -opioid ($K_i = 4.0$ nM) and μ -opioid ($K_i = 3.4$ nM) receptors. It is widely used in neuroscience research to study pain modulation, receptor signaling, and neuropeptide function in both in vitro binding assays and in vivo behavioral models.
Target	Endogenous Metabolite,Opioid Receptor
Purity	99.88% (May vary between batches)
MW	555.62
Target Areas	Endogenous Metabolite Opioid Receptor
Solubility (25°C)	DMSO:150 mg/mL (269.97 mM)
CAS Number	58822-25-6
Formula	C ₂₈ H ₃₇ N ₅ O ₇
SMILES	<chem>CC(C)C[C@H](NC(=O)[C@H](Cc1ccccc1)NC(=O)CNC(=O)CNC(=O)[C@@H](N)Cc1ccc(O)cc1)C(O)=O</chem>
Storage	store at low temperature,keep away from moisture 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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