

Product Datasheet

[Leu5]-Enkephalin acetate(58822-25-6 free base) (orb1300011)

Catalog Number	orb1300011
Category	Proteins
Description	[Leu5]-Enkephalin acetate (free base CAS 58822-25-6) is an endogenous pentapeptide and potent agonist of δ -opioid (Ki = 4.0 nM) and μ -opioid (Ki = 3.4 nM) receptors. It is widely used in neuroscience research to study endogenous pain modulation, receptor signaling, and opioid system function in both in vitro binding assays and in vivo behavioral models.
Target	Opioid Receptor,Endogenous Metabolite
Purity	99.28% (May vary between batches)
MW	615.68
Target Areas	Opioid Receptor Endogenous Metabolite
Formula	C ₃₀ H ₄₁ N ₅ O ₉
SMILES	<chem>CC(C)C[C@@H](C(O)=O)NC([C@@H](NC(CNC(CNC([C@@H](N)CC1=CC=C(C=C1)O)=O)=O)=O)CC2=CC=CC=C2)=O.CC(O)=O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)