

Product Datasheet

[Leu5]-Enkephalin (orb1140671)

Catalog Number	orb1140671
Category	Proteins
Description	Endogenous μ - and δ -opioid receptor agonist; Peptides.
Form/Appearance	Freeze dried solid
Purity	> 95% by hplc
Protein Sequence	H-Tyr-Gly-Gly-Phe-Leu-OH
MW	555.63 Da
Structure	H-Tyr-Gly-Gly-Phe-Leu-OH
Modifications	None
Target Areas	δ Opioid receptors, μ Opioid receptors
Solubility (25°C)	Soluble to 1 mg/ml in water
CAS Number	58822-25-6
Formula	$C_{28}H_{37}N_5O_7$
Storage	Store dry, frozen and in the dark
Background	[Leu5]-Enkephalin is an endogenous opioid peptide neurotransmitter that is found in the brains of many animals including humans. [Leu5]-Enkephalin is one of the two forms of enkephalin; the other being met-enkephalin. The tyrosine residue at position 1 is analogous to the 3-hydroxyl group on morphine and [Leu5]-enkephalin acts as an agonist at both μ - and δ -opioid receptors, with greater preference for δ and little to no effect on the κ -opioid receptor.

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
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)

Note For research use only

Expiration Date 12 months from date of receipt.

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United States

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Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)