

1. Identification

Catalogue Number

L330340

Lot Number

2023-QIU-143

Product Name

[Leu5]-Enkephalin Acetate

Synonyms

1-5-Dynorphin; L-Tyrosylglycylglycyl-L-phenylalanyl-L-leucine; 5-L-Leucine-enkephalin; Leu-enkephalin; Leucine Enkephalin; Leucyl-enkephalin; Tyr-Gly-Gly-Phe-Leu-OH;

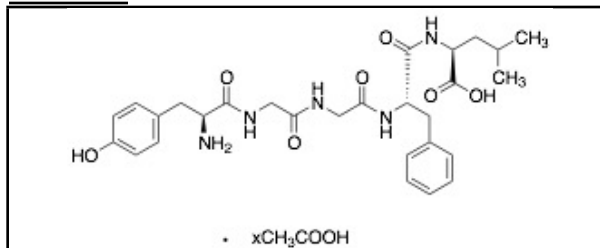
CAS Number

81678-16-2

Solubility

DMF (Slightly), DMSO (Slightly),
Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₈H₃₇N₅O₇ • xC₂H₄O₂

Source of Product

N/A

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

555.62 + x(60.05)

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests	Specifications	Results
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 56.62, %H: 6.73, %N: 11.26
HPLC Purity	>95%	99.25% (200 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-21.6° (c = 0.2, DMF)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by	Reviewed by	C of A Approved by	Test Date	Retest Date
			3/6/2023	3/4/2027
Henry Tieu Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Jr. Quality Assurance		