

beta-Endorphin (trifluoroacetate salt) Biochemical

beta-Endorphin (1-27)(human)(trifluoroacetate salt)

CATALOG #
AAA227392

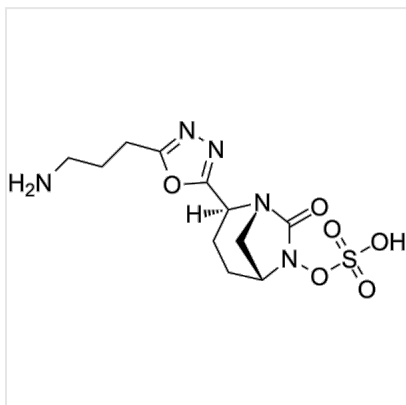
PRODUCT SYNONYMS

beta-Endorphin (trifluoroacetate salt); beta-Endorphin (1-27)(human)(trifluoroacetate salt); beta-Endorphin (trifluoroacetate salt) biochemical

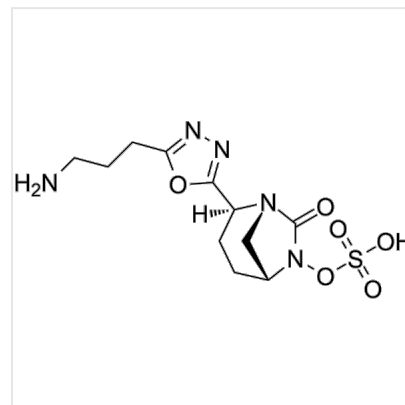
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMSO: 1 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
beta-Lactamase-IN-5, CAS 1463521-39-2



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ADDITIONAL INFORMATION

Related Product Information for beta-Endorphin (trifluoroacetate salt) biochemical

beta-Endorphin (1-27) is an endogenous peptide that binds to μ -, δ -, and κ -opioid receptors (K_{is} = 5.31, 6.17, and 39.82 nM, respectively, in COS-1 cells expressing rat receptors). It binds to rat and mouse brain membrane preparations (IC_{50} s = 1.1 and 5.7 nM, respectively) and induces chemotaxis of human monocytes in vitro when used at a concentration of 1 nM. Intracerebroventricular administration of beta-endorphin (1-27) increases the latency to tail withdrawal in response to thermal stimulation in mice with a median antinociceptive dose (AD_{50}) of 1,500 pmol per animal. It inhibits antinociception induced by beta-endorphin in mice in response to thermal stimuli when administered at a dose of 65 pmol per animal. In rats, beta-endorphin (1-27) does not affect drug-associated place preference when administered at doses up to 20 μ g, i.c.v., but inhibits beta-endorphin-induced place preference when administered at a dose of 10 μ g per animal.

References

1. Gu YG, et, al. 1,3,4-oxadiazole and 1,3,4-thiadiazole beta-lactamase inhibitors. WO2013149121A1.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

