

Difelikefalin (trifluoroacetate salt) Biochemical

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CATALOG #
AAA227305

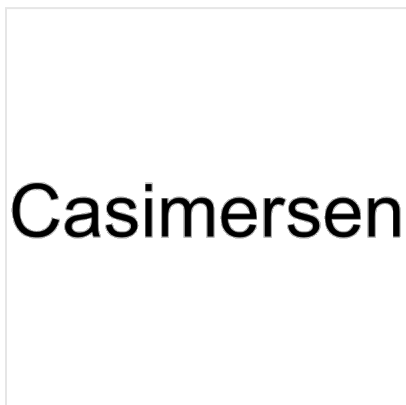
PRODUCT SYNONYMS

Difelikefalin (trifluoroacetate salt); SRP-4045; Difelikefalin (trifluoroacetate salt) biochemical

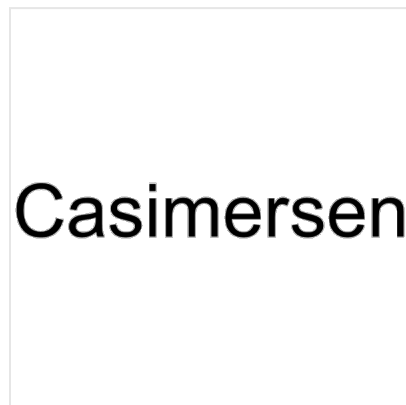
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	Ethanol: Soluble <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
Casimersen, CAS 1422958-19-7



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ADDITIONAL INFORMATION

Related Product Information for Difelikefalin (trifluoroacetate salt) biochemical	Difelikefalin is a kappa-opioid receptor (KOR) agonist. It activates KOR in HEK293 cells expressing the human receptor (EC50= 0.16 nM in a transactivation assay) and inhibits forskolin-induced cAMP production in R1.G1 mouse thymoma cells (EC50= 0.048 nM). Difelikefalin is selective for KOR over the u-opioid receptor (MOR; EC50= 1 uM in a transactivation assay). It reduces acetic acid-induced writhing, as well as scratching behavior induced by the KOR antagonist GNTI, in mice (ED50s = 0.07 and 0.05 mg/kg, respectively).
References	1. Shirley M. Casimersen: First Approval. <i>Drugs</i> . 2021;81(7):875-879. 2. Casimersen. <i>Am J Health Syst Pharm</i> . 2021;78(13):1149-1150.

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.