

# Racecadotril

**Catalog No: tcsc1127**



## Available Sizes

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**Size:** 200mg

**Size:** 1g



## Specifications

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**CAS No:**

81110-73-8

**Formula:**

$C_{21}H_{23}NO_4S$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Nepriylsin

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (259.42 mM); H<sub>2</sub>O :

**Alternative Names:**

Acetorphan

**Observed Molecular Weight:**

385.48

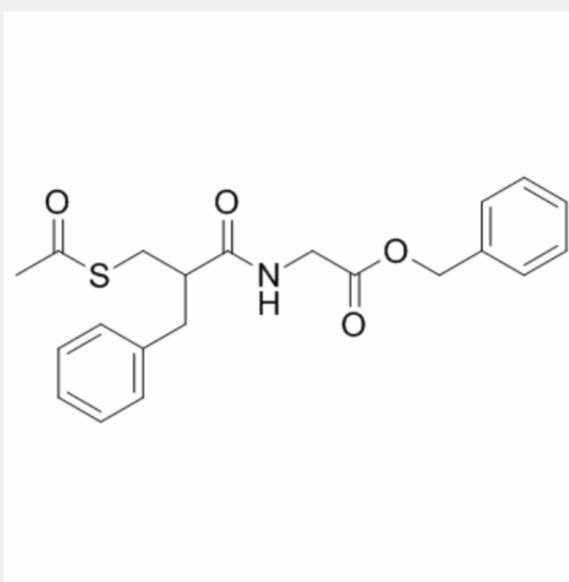
## Product Description

Racecadotril (acetorphan), a potent enkephalinase inhibitor (IC<sub>50</sub>= 4.5  $\mu$ M), protects endogenous enkephalins from degradation.

IC50 value: 4.5 uM

Target: Enkephalinase

Racecadotril is a peripherally acting enkephalinase inhibitor with an IC50 of 4.5 uM. Unlike other medications used to treat diarrhea, which reduce intestinal motility, Racecadotril has an antisecretory effect-it reduces the secretion of water and electrolytes into the intestine. A small randomized controlled trial found Racecadotril to significantly reduce the duration and volume of watery diarrhea in children when given as an adjunct to oral rehydration therapy.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!