

# (4-Acetamidocyclohexyl) nitrate

Catalog No: tcsc0018447



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

137213-91-3

**Formula:**

$C_8H_{14}N_2O_4$

**Pathway:**

GPCR/G Protein

**Target:**

Guanylate Cyclase

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

BM121307

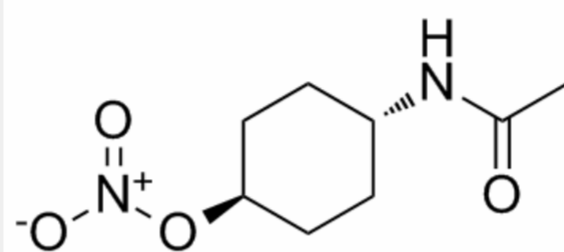
**Observed Molecular Weight:**

202.21

## Product Description

BM121307 is a **guanylate cyclase** activator that was in phase I development for the treatment of ischaemic heart disorders. The research has been discontinued.

**In Vivo:** The elimination of BM121307 and its metabolites via urine and feces amount to 76.5% after oral application, and to 80.7% of the applied dose after intravenous application. The major amount of radioactivity is eliminated via urine (69.4% and 73.6% of the dose, respectively), whereas the fecal elimination is found to be negligible. Investigations of the urinary samples show that the drug is metabolized to a high percentage trans-N-(4-Hydroxycyclohexyl) acetamide is the main metabolite; 73% of the radioactive compounds (after p.o.-administration and 69% after intravenous application could be identified as the alcohol of BM121307; the amounts of the drug totaled 9% and 13%, respectively<sup>[1]</sup>.



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