

(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

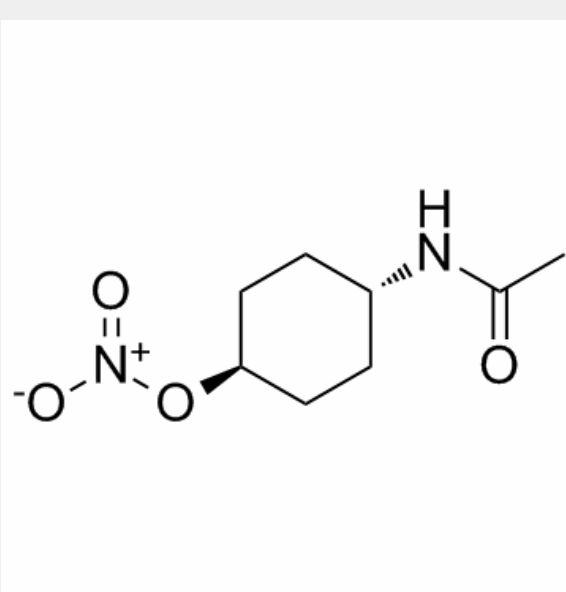
Observed Molecular Weight:

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^[1].



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