

GSNOR-IN-1

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	GSNOR-IN-1 is a prodrug of GSNOR-IN-2 and functions as an S-nitrosoglutathione reductase (GSNOR) inhibitor capable of crossing the blood-brain barrier. GSNOR-IN-1 offers significant protective effects against damage induced by oxygen-glucose deprivation/reoxygenation (OGD/R). It regulates calcium signaling and synaptic function through Clstn1 S-nitrosylation and inhibits neuronal apoptosis. Additionally, GSNOR-IN-1 markedly reduces infarct volume in rat models of ischemic stroke while enhancing neurological function. With its neuroprotective properties, GSNOR-IN-1 holds potential for ischemic stroke research.
Targets(IC50)	Apoptosis,GSNOR

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481