

N6022

Catalog No: tcsc2034



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1208315-24-5

Formula:

$C_{24}H_{22}N_4O_3$

Pathway:

Metabolic Enzyme/Protease

Target:

GSNOR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 46 mg/mL (110.99 mM)

Observed Molecular Weight:

414.46

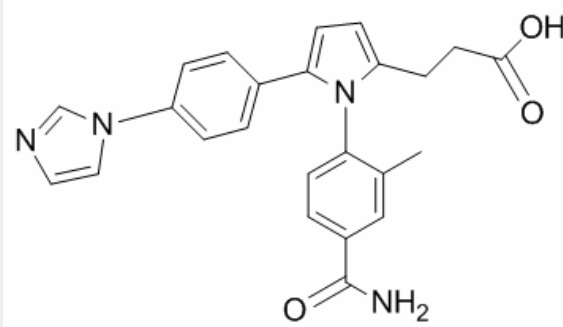
Product Description

N6022 is a potent, selective, reversible, and efficacious **S-Nitrosoglutathione reductase(GSNOR)** inhibitor with **IC₅₀** of 8 nM.

IC₅₀ & Target: IC₅₀: 8 nM (GSNOR)^[2]

In Vitro: N6022 shows concentration-dependent binding to rat plasma proteins. N6022 has more effect on ATP at lower drug concentrations (20 μ M) than on GSH^[1]. N6022 binds in the GSNO substrate binding pocket like a competitive inhibitor with an IC₅₀ of 8 nM and a K_i of 2.5 nM. N6022 is uncompetitive with cofactors NAD⁺ and NADH^[2].

In Vivo: N6022 (50 mg/kg)-treated rats show a slight increase in the incidence of granulomas. In serum, N6022 remains in solution up to 5 mg/mL^[1].



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