

Nitroprusside (Sodium)

Catalog No: tcsc2673



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

14402-89-2

Formula:

$C_5FeN_6Na_2O$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Ro 21-2498

Observed Molecular Weight:

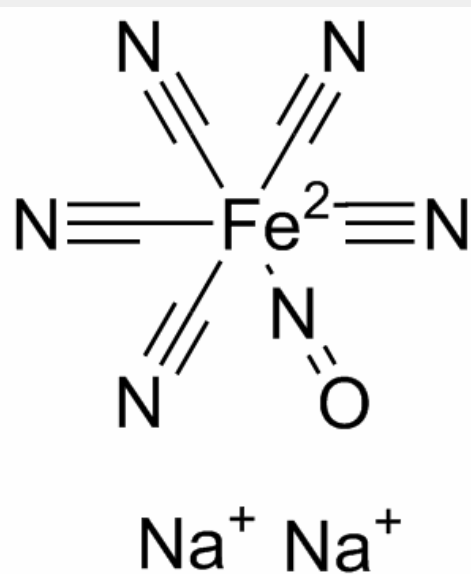
261.92

Product Description

Sodium Nitroprusside is a potent vasodilator working through releasing NO spontaneously in blood.

Target: Others

Sodium Nitroprusside is a potent vasodilator. Sodium nitroprusside has potent vasodilating effects in arterioles and venules. Sodium Nitroprusside breaks down in circulation to release nitric oxide (NO). NO activates guanylate cyclase in vascular smooth muscle and increases intracellular production of cGMP. The end result is vascular smooth muscle relaxation, which allow vessels to dilate [1]. Sodium nitroprusside decreases the proliferation of vascular smooth muscle cells [2]. Sodium nitroprusside (5 mg/kg) significantly reduces the intestinal ischemiareperfusion injury as a nitric oxide donor in rats [3].



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