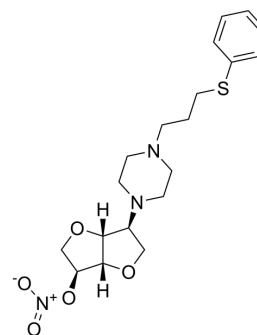


## KF-14124

Cat. No.:	HY-117618
CAS No.:	134186-26-8
Molecular Formula:	C <sub>19</sub> H <sub>27</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	409.5
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	KF-14124, an orally active organic nitrate, a long-acting vasodilator with highly selective venous dilating action. KF-14124 is used in the study for angina pectoris. KF-14124 shows good oral inhibition of lysine-vasopressin induced coronary vasospasm with a potency <sup>[1][2]</sup> .
<b>In Vivo</b>	KF-14124 (0.3 mg/kg intraduodenal administration (i.d.)) tends to decrease left ventricular end-diastolic pressure (LVEDP) in a Propranolol-induced heart failure model (dogs) and shows a potent protective effect against reperfusion arrhythmia in rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

- [1]. 1,4:3,6-Dianhydrohexitol nitrate derivatives. I. Synthesis and antianginal activity of alkylpiperazine derivatives. Chem Pharm Bull (Tokyo). 1993 Jun;41(6):1091-9.
- [2]. Giorgio Bertolini, et al. Overview: Recent Advances in Organic Nitrates. Current Opinion on Therapeutic Patents Volume 3, 1993 - Issue 10.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA