

PF-9404C

## Chemical Properties

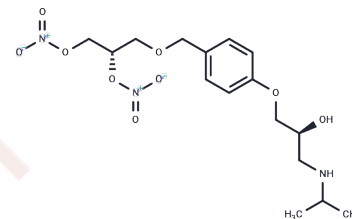
CAS No. : 780825-97-0

Formula: C<sub>16</sub>H<sub>25</sub>N<sub>3</sub>O<sub>9</sub>

Molecular Weight: 403.38

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	PF-9404C is the S-S diastereoisomer of a beta adrenergic receptors blocker with vasodilatory properties. PF9404C increased the formation of cyclic GMP from 3 pmol mg <sup>-1</sup> protein in basal conditions, to 53 pmol mg <sup>-1</sup> protein in 10 μM in rat aorta smooth muscle cells.
Targets(IC50)	Others,Adrenergic Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4791 mL	12.3953 mL	24.7905 mL
5 mM	0.4958 mL	2.4791 mL	4.9581 mL
10 mM	0.2479 mL	1.2395 mL	2.4791 mL
50 mM	0.0496 mL	0.2479 mL	0.4958 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Villarroya M, López MG, de Pascual R, García AG. Preclinical profile of PF9404C, a nitric oxide donor with beta receptor blocking properties. *Cardiovasc Drug Rev.* 2005 Summer;23(2):149-60. Review. PubMed PMID: 16007231.
- Ruiz-Nuño A, Rosado A, García AG, López MG, Villarroya M. Differences in the vascular selectivity and tolerance between the NO donor/beta-blocker PF9404C and nitroglycerin. *Eur J Pharmacol.* 2004 Sep 13;498(1-3):203-10. PubMed PMID: 15363996.
- Villarroya M, Herrero CJ, Ruíz-Nuño A, de Pascual R, del Valle M, Michelena P, Grau M, Carrasco E, López MG, García AG. PF9404C, a new slow NO donor with beta receptor blocking properties. *Br J Pharmacol.* 1999 Dec;128(8):1713-22. PubMed PMID: 10588927; PubMed Central PMCID: PMC1571821.

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