

Product Data Sheet

Product Name: Cinepazide

Cat. No.: GC15247

Chemical Properties

Cas. No. 23887-46-9

Chemical Name 1-[4-(2-oxo-2-pyrrolidin-1-ylethyl)piperazin-1-yl]-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one

SMILES COC1=CC(=CC(=C1OC)OC)C=CC(=O)N2CCN(CC2)CC(=O)N3CCCC3

Formula C₂₂H₃₁N₃O₅

M.Wt 417.5

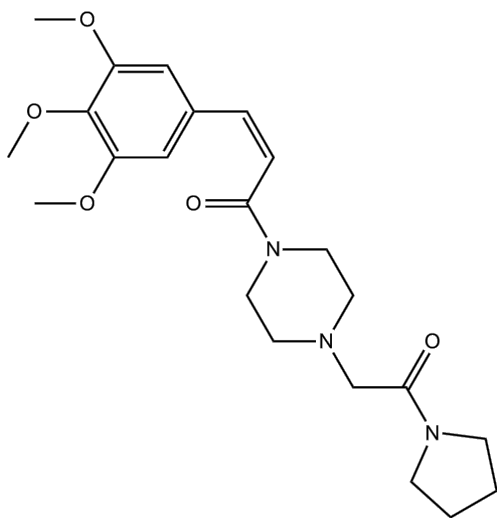
Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Cinepazide is a vasodilator. Target: Others Cinepazide is a vasodilator. Cinepazide (30 mg/kg, i.v.) potentiated the vertebral vasodilator response of dogs to intravertebral adenosine and cyclic AMP, Intravertebral cinepazide (1-10 mg) increased vertebral blood flow in a dose-related manner and the effect was partially inhibited by intravenous pretreatment with aminophylline but not by pretreatment

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

with autonomic antagonists. Cinepazide resembled cinnarizine and papaverine in that the drug antagonized rabbit aortic contraction induced by KCl, norepinephrine or CaCl₂ [1]. Cinepazide in concentrations ranging from 10⁻⁶ to 10⁻⁵M augmented the relaxing responses to ATP, adenosine and cAMP. However, this agent did not affect the relaxations induced by isoproterenol and papaverine and the contractions induced by 5-HT, prostaglandin F_{2α} and ATP. cinepazide selectively potentiates the relaxing response mediated through purinergic P₁ receptors [2].

References:

- [1]. Akashi, A., et al., [Cardiovascular pharmacology of cinepazide, a new cerebral vasodilator (author's transl)]. Nihon Yakurigaku Zasshi, 1979. 75(5): p. 507-16.
- [2]. Muramatsu, I., et al., Effects of cinepazide on the purinergic responses in the dog cerebral artery. Pharmacology, 1984. 28(1): p. 27-33.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA