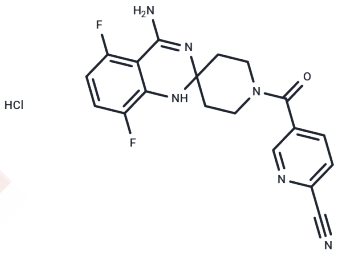
Data Sheet (Cat.No.T10361)

TargetMol

AR-C102222 hydrochloride

Chemical Properties



CAS No. : 1781934-50-6

Formula: C19H17ClF2N6O

Molecular Weight: 418.83

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	AR-C102222 hydrochloride is a competitive, orally active, and highly selective inducible nitric oxide synthase (iNOS) inhibitor (IC50: 37 nM). It has antinociception and anti-inflammatory activities.
Targets(IC50)	Others,NO Synthase
In vivo	AR-C102222 (3, 10, 30, 100 mg/kg, P.O.) reduces arachidonic acid-induced ear inflammation and exhibits anti-inflammatory activity [2]. It also demonstrates strong efficacy in a rat adjuvant-induced arthritis model [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3876 mL	11.938 mL	23.876 mL
5 mM	0.4775 mL	2.3876 mL	4.7752 mL
10 mM	0.2388 mL	1.1938 mL	2.3876 mL
50 mM	0.0478 mL	0.2388 mL	0.4775 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

Tinker AC, et al. 1,2-Dihydro-4-quinazolinamines: potent, highly selective inhibitors of inducible nitric oxide synthase which show antiinflammatory activity in vivo. J Med Chem. 2003 Mar 13;46(6):913-6.

LaBuda CJ, et al. Antinociceptive activity of the selective iNOS inhibitor AR-C102222 in rodent models of inflammatory, neuropathic and post-operative pain. Eur J Pain. 2006 Aug;10(6):505-12. Epub 2005 Aug 24.

Yoon J, et al. Syntheses of 1,2,3-triazolyl salicylamides with inhibitory activity on lipopolysaccharide-induced nitric oxide production. Bioorg Med Chem Lett. 2011 Apr 1;21(7):1953-7.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481