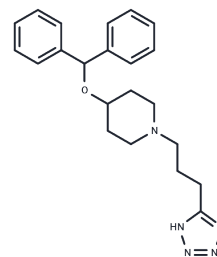


HQL-79

## Chemical Properties

CAS No. : 162641-16-9  
 Formula: C<sub>22</sub>H<sub>27</sub>N<sub>5</sub>O  
 Molecular Weight: 377.48  
 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	HQL-79 is a selective and orally active human hematopoietic prostaglandin D synthase (H-PGDS) inhibitor. It inhibits the synthesis of PGD <sub>2</sub> and acts as an anti-allergic agent (K <sub>d</sub> : 0.8 μM and IC <sub>50</sub> : 6 μM). It also shows no obvious effect on COX-1, COX-2, m-PGES, or L-PGDS.
Targets(IC <sub>50</sub> )	Others,PGE Synthase
In vitro	HQL-79 is a competitive inhibitor against substrate PGH <sub>2</sub> . HQL-79 is also a non-competitive one against GSH[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6491 mL	13.2457 mL	26.4915 mL
5 mM	0.5298 mL	2.6491 mL	5.2983 mL
10 mM	0.2649 mL	1.3246 mL	2.6491 mL
50 mM	0.053 mL	0.2649 mL	0.5298 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

Aritake K, et al. Structural and functional characterization of HQL-79, an orally selective inhibitor of human hematopoietic prostaglandin D synthase. J Biol Chem. 2006 Jun 2;281(22):15277-86. Epub 2006 Mar 17.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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