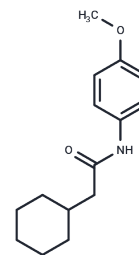


## sEH inhibitor-7

## Chemical Properties

CAS No. :	340221-20-7
Formula:	C <sub>15</sub> H <sub>21</sub> NO <sub>2</sub>
Molecular Weight:	247.33
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	sEH inhibitor-7 is a soluble epoxide hydrolase (sEH) inhibitor that inhibits sEH in human and mouse with IC <sub>50</sub> s of 6.2 μM and 0.15 μM, respectively. sEH inhibitor-7 is associated with anti-inflammatory active molecules.
Targets(IC <sub>50</sub> )	Epoxide Hydrolase
In vitro	sEH inhibitor-7 (compound c-2) is an inhibitor of soluble epoxide hydrolase (sEH) with IC <sub>50</sub> s of 0.15 μM (mouse sEH) and 6.2 μM (human sEH), respectively. Soluble epoxide hydrolase (sEH) plays an important role in the metabolism of endogenous chemical mediators involved in the regulation of blood pressure and inflammation.[1]

## Solubility Information

Solubility	DMSO: 90 mg/mL (363.89 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0432 mL	20.2159 mL	40.4318 mL
5 mM	0.8086 mL	4.0432 mL	8.0864 mL
10 mM	0.4043 mL	2.0216 mL	4.0432 mL
50 mM	0.0809 mL	0.4043 mL	0.8086 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

Kim IH, et al. Optimization of amide-based inhibitors of soluble epoxide hydrolase with improved water solubility. J Med Chem. 2005;48(10):3621-3629.

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