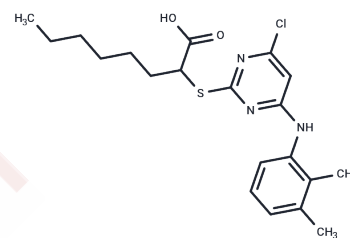


YS-121

## Chemical Properties

CAS No. : 916482-17-2  
 Formula: C<sub>20</sub>H<sub>26</sub>ClN<sub>3</sub>O<sub>2</sub>S  
 Molecular Weight: 407.96  
 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	YS121 is a dual inhibitor of microsomal prostaglandin E2 synthase-1 (mPGES-1; IC <sub>50</sub> =3.4 μM) and 5-lipoxygenase (5-LOX; IC <sub>50</sub> =6.5 μM). YS121 dose-dependently reduces the production of PGE2 with EC <sub>50</sub> =12 μM in IL-1β-stimulated A549 cells [1].
Targets(IC <sub>50</sub> )	Others,Lipoxygenase,PGE Synthase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4512 mL	12.2561 mL	24.5122 mL
5 mM	0.4902 mL	2.4512 mL	4.9024 mL
10 mM	0.2451 mL	1.2256 mL	2.4512 mL
50 mM	0.049 mL	0.2451 mL	0.4902 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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