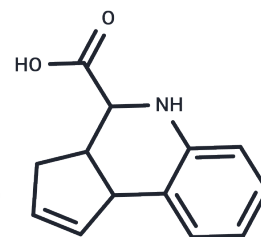


## MurA-IN-1

## Chemical Properties

CAS No. :	354815-90-0
Formula:	C13H13NO2
Molecular Weight:	215.25
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	MurA-IN-1 (compound 1a), a PTPRR inhibitor, exhibits IC50 values of 0.09 $\mu$ M for PTPRR, 0.23 $\mu$ M for PTP1B, 0.75 $\mu$ M for PTPN7, and 0.8 $\mu$ M for PTPN5, respectively, targeting a family of human MAPK-specific protein tyrosine phosphatases[1].
Targets(IC50)	Others,Phosphatase

## Solubility Information

Solubility	DMSO: 50 mg/mL (232.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (11.61 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6458 mL	23.2288 mL	46.4576 mL
5 mM	0.9292 mL	4.6458 mL	9.2915 mL
10 mM	0.4646 mL	2.3229 mL	4.6458 mL
50 mM	0.0929 mL	0.4646 mL	0.9292 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

Jeyanthi Eswaran, et al. Crystal structures and inhibitor identification for PTPN5, PTPRR and PTPN7: a family of human MAPK-specific protein tyrosine phosphatases. Biochem J. 2006 May 1;395(3):483-91.

**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