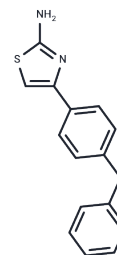


## ARM1

## Chemical Properties

CAS No. :	68729-05-5
Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> S
Molecular Weight:	266.36
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	ARM1 is a potent inhibitor of aminopeptidase and epoxide hydrolase. The IC <sub>50</sub> values are 7.61 μM for aminopeptidase and 12.4 μM for epoxide hydrolase.
Targets(IC <sub>50</sub> )	Aminopeptidase, Epoxide Hydrolase

## Solubility Information

Solubility	DMSO: 250 mg/mL (938.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7543 mL	18.7716 mL	37.5432 mL
5 mM	0.7509 mL	3.7543 mL	7.5086 mL
10 mM	0.3754 mL	1.8772 mL	3.7543 mL
50 mM	0.0751 mL	0.3754 mL	0.7509 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

El-Naggar MH, et al. Synthesis, docking, cytotoxicity, and LTA4H inhibitory activity of new gingerol derivatives as potential colorectal cancer therapy. *Bioorg Med Chem.* 2017;25(3):1277-1285.

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