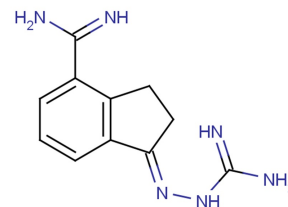


## Sardomozide

## Chemical Properties

CAS No.:	149400-88-4
Formula:	C <sub>11</sub> H <sub>14</sub> N <sub>6</sub>
Molecular Weight:	230.27
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Sardomozide is an inhibitor of S-adenosylmethionine decarboxylase (SAMDC)(IC <sub>50</sub> of 5 nM).
Targets(IC <sub>50</sub> )	SAMDC: 5 nM
In vitro	Sardomozide is an inhibitor of S-adenosylmethionine decarboxylase (SAMDC)(IC <sub>50</sub> of 5 nM in cell assay). Following treatment for 48 h with 3 μM Sardomozide, intracellular SAMDC activity is reduced to 10% of control[1]. When the CHO/664 cells are grown in the presence of Sardomozide and during treatment with DENSPM, vacuole formation is not observed, and these cells are growth-inhibited and contain levels of DENSPM similar to the parental CHO cells[2].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.343 mL	21.714 mL	43.427 mL
5 mM	0.869 mL	4.343 mL	8.685 mL
10 mM	0.434 mL	2.171 mL	4.343 mL
50 mM	0.087 mL	0.434 mL	0.869 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Regensass U, et al. CGP 48664, a new S-adenosylmethionine decarboxylase inhibitor with broad spectrum antiproliferative and antitumor activity. Cancer Res. 1994 Jun 15;54(12):3210-7.
2. Kramer DL, et al. Lysosomal sequestration of polyamine analogues in Chinese hamster ovary cells resistant to the S-adenosylmethionine decarboxylase inhibitor, CGP-48664. Cancer Res. 1998 Sep 1;58(17):3883-90.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481