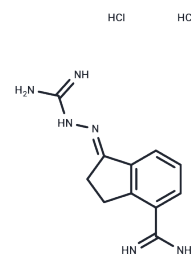


Sardomozide dihydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 138794-73-7 |
| Formula: | C ₁₁ H ₁₆ Cl ₂ N ₆ |
| Molecular Weight: | 303.19 |
| 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 | Sardomozide dihydrochloride (CGP 48664 dihydrochloride) is an inhibitor of S-adenosylmethionine decarboxylase (SAMDC, IC ₅₀ = 5 nM). |
| Targets(IC ₅₀) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: 5 mg/mL (16.49 mM), Sonication is recommended. DMSO: 25 mg/mL (82.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.2983 mL | 16.4913 mL | 32.9826 mL |
| 5 mM | 0.6597 mL | 3.2983 mL | 6.5965 mL |
| 10 mM | 0.3298 mL | 1.6491 mL | 3.2983 mL |
| 50 mM | 0.066 mL | 0.3298 mL | 0.6597 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

- 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.
- Regenass 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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