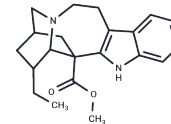
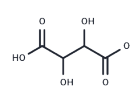


Catharanthine tartrate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 4168-17-6 |
| Formula: | C ₂₅ H ₃₀ N ₂ O ₈ |
| Molecular Weight: | 486.51 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|----------------------------|--|
| Description | Catharanthine tartrate (Catharanthine hemitartrate) is an alkaloid from periwinkle that inhibits voltage-gated L-type calcium channels and has antitumor and hypotensive activities. |
| Targets(IC ₅₀) | Calcium Channel |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (102.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0555 mL | 10.2773 mL | 20.5546 mL |
| 5 mM | 0.4111 mL | 2.0555 mL | 4.1109 mL |
| 10 mM | 0.2055 mL | 1.0277 mL | 2.0555 mL |
| 50 mM | 0.0411 mL | 0.2055 mL | 0.4111 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.

Reference

Lin C, et al. Biomed Chromatogr. 2015 Jan;29(1):97-102.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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