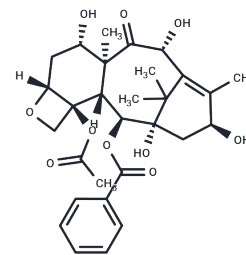


10-Deacetylbaaccatin III

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 32981-86-5 |
| Formula: | C ₂₉ H ₃₆ O ₁₀ |
| Molecular Weight: | 544.59 |
| 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 | 10-Deacetylbaaccatin-III is an intermediate for the preparation of taxol analogs, possessing anti-cancer activity. |
| Targets(IC50) | Others,Parasite |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 91.7 mg/mL (168.38 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (7.34 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 | 1.8362 mL | 9.1812 mL | 18.3624 mL |
| 5 mM | 0.3672 mL | 1.8362 mL | 3.6725 mL |
| 10 mM | 0.1836 mL | 0.9181 mL | 1.8362 mL |
| 50 mM | 0.0367 mL | 0.1836 mL | 0.3672 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

Zhang JF, et al. Cell Biol Int Rep (2010). 2010; 18(1):e00009.

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