

Wilforlide A

Chemical Properties

CAS No. : 84104-71-2

Formula: C₃₀H₄₆O₃

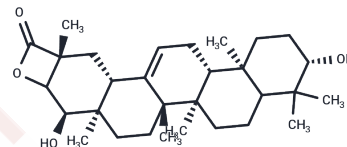
Molecular Weight: 454.68

Keep away from direct sunlight, Keep away from moisture

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 | Wilforlide A (3-Epiabruslactone A) is a natural product, separated from the ethanolic extract of tripterygium wilfordii. High-dose wilforlide A has obvious anti-inflammatory effect, but has no significant immune suppressive activity. |
| Targets(IC50) | Tyrosinase |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 0.76 mg/mL (1.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1993 mL | 10.9967 mL | 21.9935 mL |
| 5 mM | 0.4399 mL | 2.1993 mL | 4.3987 mL |
| 10 mM | 0.2199 mL | 1.0997 mL | 2.1993 mL |
| 50 mM | 0.044 mL | 0.2199 mL | 0.4399 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

Xue M, et al. Fitoterapia. 2010 Dec;81(8):1109-1

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