

## Comanthoside A

## Chemical Properties

CAS No. : 70938-59-9

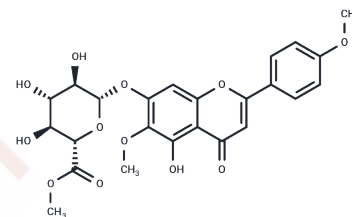
Formula: C<sub>24</sub>H<sub>24</sub>O<sub>12</sub>

Molecular Weight: 504.44

Store at low temperature

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   | Comanthoside A (Comanthosid A) is a naturally occurring flavonoid glycoside isolated from <i>Comanthosphace japonica</i> . Comanthoside A is also a key intermediate in the synthesis of Linaroside and Comanthoside B. Comanthoside A is a natural flavonoid glycoside isolated from <i>Comanthosphace japonica</i> . |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 1.9824 mL | 9.912 mL  | 19.824 mL |
| 5 mM  | 0.3965 mL | 1.9824 mL | 3.9648 mL |
| 10 mM | 0.1982 mL | 0.9912 mL | 1.9824 mL |
| 50 mM | 0.0396 mL | 0.1982 mL | 0.3965 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

ARISAWA M, et al. The Constituents of the Leaves of *Comanthosphace japonica* S. MOORE (Labiatae): Isolation of Two New Flavone Glycosides, Comanthosides A and B. *Chemical and Pharmaceutical Bulletin*. 1979;27(5): 1252-1254.

Yan S, et al. Semi-synthesis of a series natural flavonoids and flavonoid glycosides from scutellarin. *Tetrahedron*. 2020;76(8): 130950.

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