

Product Data Sheet

Product Name: Arborinine

Cat. No.: GF16684

Chemical Properties

Cas. No. 5489-57-6

Formula C₁₆H₁₅NO₄

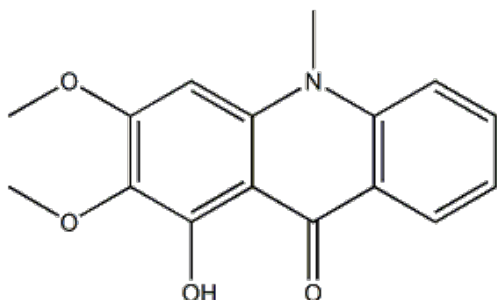
M.Wt 285.295

Solubility DMSO : 25 mg/mL (87.63 mM; Need ultrasonic) Storage Store at RT

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Arborinine is a potent and orally active LSD1 inhibitor. Arborinine increases the expression of H3K4me1/2, H3K9me1/2, E-cad protein and decreases the expression of UBE2O protein level.

Arborinine induces cell cycle arrest at S phase. Arborinine shows antitumor activity [1][2].

References:

[1]. Feng C, et al. Arborinine from Glycosmis parva leaf extract inhibits clear-cell renal cell carcinoma by inhibiting KDM1A/UBE2O signaling. Food Nutr Res. 2022 Sep 16;66.

[2]. Chu Y, et al. Arborinine, a potential LSD1 inhibitor, inhibits epithelial-mesenchymal transition of SGC-7901 cells and adriamycin-resistant gastric cancer SGC-7901/ADR cells. Invest New Drugs. 2021 Jun;39(3):627-635.

Caution: Product has not been fully validated for medical applications. For research use only.

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