

Product Data Sheet

Product Name: ARI-1
Cat. No.: GC73077

Chemical Properties

Cas. No.

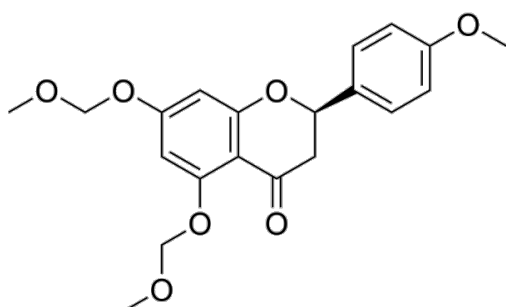
Formula $C_{20}H_{22}O_7$ M.Wt 374.38

Solubility DMSO : 100 mg/mL (267.11 mM; Storage -20°C
Need ultrasonic)

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

ARI-1 is an inhibitor of receptor tyrosine kinase-like orphan receptor 1 (ROR1) inhibitor. ARI-1 effectively inhibits aberrant ROR1 expression, which is associated with the development of non-small cell lung cancer (NSCLC) and EGFR-TKI-induced drug resistance. ARI-1 binds to the extracellular Frizzled domain of ROR1 and regulates PI3K/AKT/mTOR signaling in a ROR1-dependent manner. ARI-1 potently inhibits NSCLC cell proliferation and migration and has antitumor activity in vivo[1].

References:

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

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[1]. Liu X, et al. Novel ROR1 inhibitor ARI-1 suppresses the development of non-small cell lung cancer. Cancer Lett. 2019 Aug 28;458:76-85.

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