

Product Data Sheet

Product Name: Anticancer agent 93

Cat. No.: GC73378

Chemical Properties

Cas. No. 94205-22-8

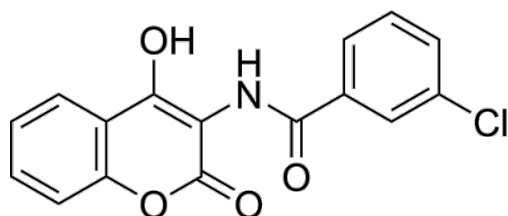
Formula $C_{16}H_{10}ClNO_4$ M.Wt 315.71

Solubility DMSO : 100 mg/mL (316.75 mM; ultrasonic and warming and heat to 80°C) Storage -20°C

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

Anticancer agent 93 is a 4-droxy coumarin derivative. Anticancer agent 93 can inhibit invasion and migration of lung cancer cells by modulating expression of epithelial-mesenchymal transition (EMT) effectors.

Anticancer agent 93 (compound 4h) (5-15 μ M; 24 h) significantly inhibits A549 cell invasion by ~ 50% [1]. Anticancer agent 93 (15 μ M; 24-72 h) significantly inhibits A549 cell migration [1]. Anticancer agent

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

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93 (5-15 μ M; 4 h) inhibits lung cancer cell motility by downregulating EMT markers[1].

References:

[1]. Zhou R, et, al. Synthesis of coumarin derivatives and investigation of their inhibitory effects on lung cancer cell motility. Sci Rep. 2022 Dec 14;12(1):21635.

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