

Product Data Sheet

Product Name: Anti-melanoma agent 1

Cat. No.: GC73309

Chemical Properties

Cas. No. 2418579-17-4

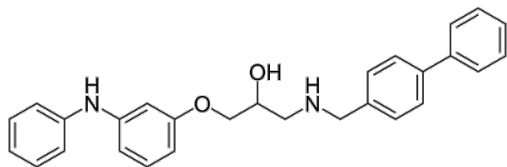
Formula $C_{28}H_{28}N_2O_2$ M.Wt 424.53

Solubility DMSO : 100 mg/mL (235.55 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

Anti-melanoma agent 1 (Compound 5m) is an anti-melanoma agent and induces cell apoptosis.

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

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Anti-melanoma agent 1 (Compound 5m) (0-100 μ M, 48 h) shows antiproliferative activity against melanoma cells[1]. Anti-melanoma agent 1 (0-10 μ M) inhibits colony formation in SK-MEL-28[1]. Anti-melanoma agent 1 (1 and 2 μ M) induces cell apoptosis (24 h), arrests cell cycle at G2/M phase (12 h), inhibits cell migration (48 h) and disrupts the cellular microtubule network[1].

References:

[1]. Chang Q, et al. Drug repurposing and rediscovery: Design, synthesis and preliminary biological evaluation of 1-arylamino-3-aryloxypropan-2-ols as anti-melanoma agents. Bioorg Med Chem. 2020 May 1;28(9):115404.

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