

Product Data Sheet

Product Name: AIMP2-DX2-IN-1

Cat. No.: GC73316

Chemical Properties

Cas. No. 848256-17-7

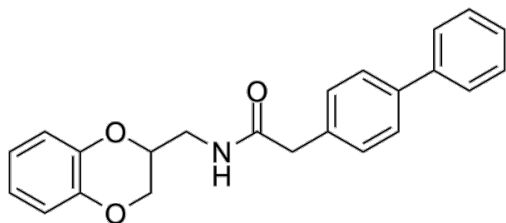
Formula $C_{23}H_{21}NO_3$ M.Wt 359.42

Solubility DMSO : 100 mg/mL (278.23 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

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

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AIMP2-DX2-IN-1 (Compound 35) is a potent AIMP2-DX2 inhibitor with an IC₅₀ of 0.1063 μ M.

AIMP2-DX2-IN-1 (Compound 35) (0-1 μ M, 96 h) shows inhibitory activity against A549 and H460 cells without toxicity for normal cells[1]. AIMP2-DX2-IN-1 shows very poor metabolic stability and good plasma stability in both human and mouse, and CYP inhibition need to be improved[1].

References:

[1]. Lee B, et al. Discovery of benzodioxane analogues as lead candidates of AIMP2-DX2 inhibitors. Bioorg Med Chem Lett. 2022 Jul 13;73:128889.

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