
Product Data Sheet

Product Name: Carboxylesterase-IN-2

Cat. No.: GC65165

Chemical Properties

Cas. No. 2764748-88-9

Formula C₁₃H₁₂N₄O₅ M.Wt 272.33

Solubility Storage Store at -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**

Carboxylesterase-IN-2 (compound 4u) is a potent inhibitor of Carboxylesterase Notum with an IC₅₀ less than or equal to 10 nM. Notum is a negative regulator of Wnt signaling acting through the hydrolysis of a palmitoleoylate ester, which is required for Wnt activity. Carboxylesterase-IN-2 has the potential for the research of cancer disease[1].

[1]. Steadman D, et al. Virtual Screening Directly Identifies New Fragment-Sized Inhibitors of Carboxylesterase Notum with Nanomolar Activity. J Med Chem. 2022;65(1):562-578.

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

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