

Product Data Sheet

Product Name: C3TD879

Cat. No.: GC73977

Chemical Properties

Cas. No. 2850259-33-3

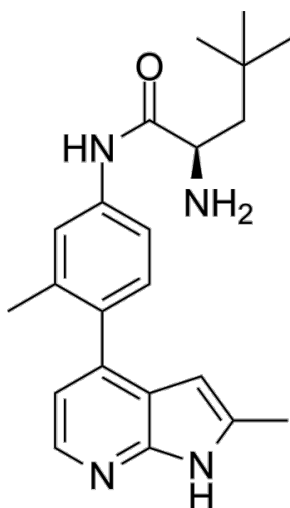
Formula $C_{22}H_{28}N_4O$ M.Wt 364.48

Solubility DMSO : 100 mg/mL (274.36 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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C3TD879 is an inhibitor of citron kinase (CITK), an AGC family serine/threonine kinase that regulates cytokinesis. C3TD879 inhibits CITK catalytic activity with an IC₅₀ of 12 nM. C3TD879 does not induce CITK knockdown effects on cell proliferation, cell cycle progression, or cytokinesis, but rather reduces the activity by directly binding full-length human CITK (NanoBRET K_d < 10 nM).

References:

[1]. Maw JJ, et al. Discovery and Characterization of Selective, First-in-Class Inhibitors of Citron Kinase. J Med Chem. 2024 Feb 22;67(4):2631-2666.

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