

Product Data Sheet

Product Name: Tubulin polymerization-IN-43

Cat. No.: GC73231

Chemical Properties

Cas. No. 2773345-90-5

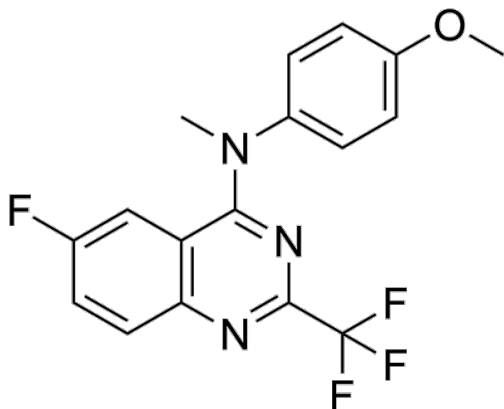
Formula $C_{17}H_{13}F_4N_3O$ M.Wt 351.3

Solubility DMSO : 100 mg/mL (284.66 mM; Storage 4°C, protect from light
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

Tubulin polymerization-IN-43 (compound 15h) is a tubulin polymerization inhibitor. Tubulin polymerization-IN-43 disrupts cellular microtubule networks by targeting the Colchicine site, and

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

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promotes cell cycle arrest of leukemia cells at G2/M phase and cell apoptosis, as well as inhibiting angiogenesis.

References:

[1]. Wu H, et, al. Discovery of novel N-aryl-2-trifluoromethyl-quinazoline-4-amine derivatives as the inhibitors of tubulin polymerization in leukemia cells. Eur J Med Chem. 2023 Aug 5;256:115470.

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