

Product Data Sheet

Product Name: Tubulin polymerization-IN-55

Cat. No.: GC73568

Chemical Properties

Cas. No. 2942396-29-2

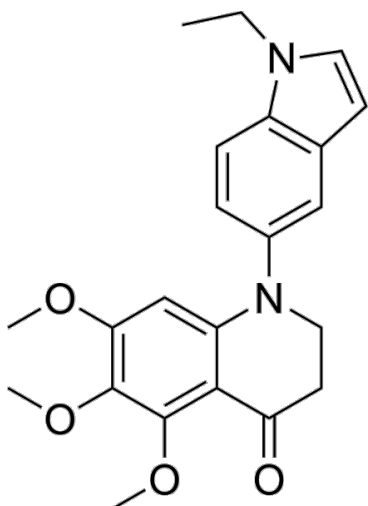
Formula $C_{22}H_{24}N_2O_4$ M.Wt 380.44

Solubility DMSO : 100 mg/mL (262.85 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

Tubulin polymerization-IN-55 is a potent inhibitor of Tubulin Polymerization. Tubulin polymerization-

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

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IN-55 has antiproliferative activity against A549, K562, HepG2, MDA-MB-231 and HFL-1 with IC₅₀ s of 8, 3, 9, 24 and 62 nM, respectively.

References:

[1]. Tan Y, et al. Design, synthesis and biological evaluation of novel didroquinolin-4(1H)-one derivatives as novel tubulin polymerization inhibitors. Eur J Med Chem. 2023 Oct 15;262:115881.

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