

Product Data Sheet

Product Name: Tyrosine kinase-IN-11

Cat. No.: GC81305

Chemical Properties

Cas. No. 3031972-21-8

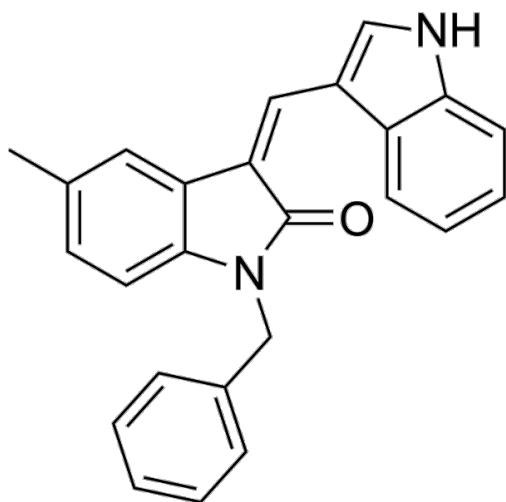
Formula $C_{25}H_{20}N_2O$ M.Wt 364.44

Solubility DMSO: 50 mg/mL (137.20 mM; Need ultrasonic) 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

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

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Tyrosine kinase-IN-11 (Compound 4b) is a tyrosine kinase inhibitor. Tyrosine kinase-IN-11 decreases general tyrosine kinase activity, selectively inhibits PDGFR- β , SRC, and c-MET kinases. Tyrosine kinase-IN-11 induces apoptosis, accompanied by reduced ERK signalings. Tyrosine kinase-IN-11 exhibits selective anticancer activity against pancreatic cancer and renal cancer [1].

References:

[1]. Cihan-Üstündağ G, et al. Novel 1-benzyl-2-indolinone indole hybrids as tyrosine kinase inhibitors: Design, synthesis, and biological activity evaluation. Eur J Med Chem. 2025 Dec 19;304:118509.

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