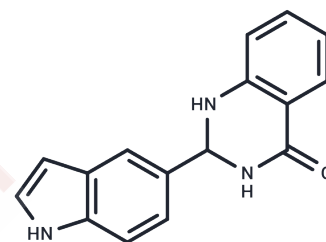


Tubulin polymerization-IN-68

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2924156-96-5 |
| Formula: | C ₁₆ H ₁₃ N ₃ O |
| Molecular Weight: | 263.29 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|--|
| Description | Tubulin polymerization-IN-68 (compound 32) serves as a tubulin inhibitor, disrupting cellular microtubule networks by hindering tubulin polymerization. It also upregulates PARP-1 and caspase-3 expression, thereby inducing apoptosis and exhibiting anticancer properties. Notably, Tubulin polymerization-IN-68 effectively suppresses HepG2 cells with an IC ₅₀ of 93 nM and markedly reduces the growth of HepG2 xenograft tumors in nude mice through oral administration. |
| Targets(IC ₅₀) | Apoptosis,Caspase,Microtubule Associated,PARP |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.7981 mL | 18.9905 mL | 37.9809 mL |
| 5 mM | 0.7596 mL | 3.7981 mL | 7.5962 mL |
| 10 mM | 0.3798 mL | 1.899 mL | 3.7981 mL |
| 50 mM | 0.076 mL | 0.3798 mL | 0.7596 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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