
Product Data Sheet

Product Name: Microtubule inhibitor 1

Cat. No.: GC36608

Chemical Properties

Cas. No. 2305668-80-6

SMILES O=C(C1=CC(C)=NC2=CC=CC=C12)/C(C)=C/C3=CC=C(OC)C(O)=C3Formula $C_{21}H_{19}NO_3$ M.Wt 333.38

Solubility Soluble in DMSO 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**

Microtubule inhibitor 1 is an antitumor agent with microtubule polymerization inhibitory activity, with an IC50 value of 9-16 nM in cancer cells[1]. Microtubule polymerization[1].

[1]. Li W, et al. Discovery of Novel Quinoline-Chalcone Derivatives as Potent Antitumor Agents with Microtubule Polymerization Inhibitory Activity. J Med Chem. 2019 Jan 24;62(2):993-1013.

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

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