

Product Data Sheet

Product Name: BNC105
Cat. No.: GC34102

Chemical Properties

Cas. No. 945771-74-4

SMILES COC1=CC(C(C2=C(C)OC3=C(O)C(OC)=CC=C23)=O)=CC(OC)=C1OC

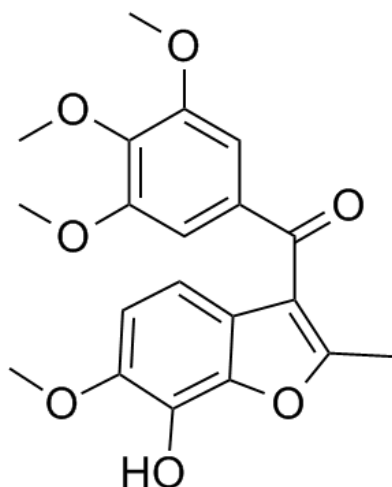
Formula $C_{20}H_{20}O_7$ M.Wt 372.37

Solubility DMSO : 25 mg/mL (67.14 mM); Water : < 0.1 mg/mL (insoluble) 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

BNC105 is a tubulin polymerization inhibitor with potent antiproliferative and tumor vascular disrupting properties.

[1]. Flynn BL, et al. Discovery of 7-hydroxy-6-methoxy-2-methyl-3-(3,4,5-trimethoxybenzoyl)benzo[b]furan (BNC105), a tubulin polymerization inhibitor with potent antiproliferative and tumor vascular disrupting properties. J Med Chem. 2011 Sep 8;54(17):6014-27.

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

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[2]. Kremmidiotis G, et al. BNC105: a novel tubulin polymerization inhibitor that selectively disrupts tumor vasculature and displays single-agent antitumor efficacy. Mol Cancer Ther. 2010 Jun;9(6):1562-73. [3]. Inglis DJ, et al. The vascular disrupting agent BNC105 potentiates the efficacy of VEGF and mTOR inhibitors in renal and breast cancer. Cancer Biol Ther. 2014;15(11):1552-60.

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