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**Product Data Sheet**

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Product Name: CHM 1  
Cat. No.: GC17969

**Chemical Properties**

Cas. No. 154554-41-3

Chemical Name 6-(2-fluorophenyl)-5H-[1,3]dioxolo[4,5-g]quinolin-8-one

SMILES C1OC2=C(O1)C=C3C(=C2)C(=O)C=C(N3)C4=CC=CC=C4F

Formula  $C_{16}H_{10}FNO_3$  M.Wt 283.25

Solubility <7.08mg/ml in Water Storage Store at RT

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**

Inducer of apoptosis; displays potent antitumor ability in human hepatocellular carcinoma. Inhibits tubulin polymerization *in vitro* and *in vivo*. Causes cell cycle arrest at G<sub>2</sub>/M phase by activation of Cdc2 kinase activity. Induces translocation of apoptosis inducing factor (AIF) from the mitochondria to nucleus. Also exhibits vascular targeting activity through upregulation of p53 and induction of death receptor (DR5)-mediated apoptosis in HUVEC cells.

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

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