

Product Name	: 9-ING-41
Synonyms	: —
Cat No.	: M22563
CAS Number	: 1034895-42-5
Molecular Formula	: C22H13FN2O5
Formula Weight	: 404.35
Chemical Name	: —
Description	<p>9-ING-41 is a glycogen synthase kinase-3 inhibitor. 9-ING-41 (2, 4 μM; 48 hours) decreases neuroblastoma cell viability induces apoptosis. 9-ING-41 (0.1-1 μM) inhibits GSK-3 leading to a decreased expression of the NF-κB target XIAP and significant apoptosis in neuroblastoma cells as shown by PARP cleavage, an apoptosis marker. 9-ING-41 (0.5, 1.0, 1.5, 2.0 μM) inhibits the proliferation rate of all TCL and MCL lines with concentrations as low as 1.0 mM. 9-ING-41 (1, 2 μM; 24 hours) is a potent cell cycle-blocking agent for lymphoma cells[2]. 9-ING-41 (40 mg/kg/every other day; for 17 days) has single-agent antitumor activity in a mouse model of MCL.</p>
Pathway	: PI3K/Akt/mTOR signaling
Target	: GSK-3
Receptor	: GSK-3 β
Solubility	: DMSO:97 mg/mL (239.89mM; Need ultrasonic)
SMILES	: <chem>Cn1cc(C2=C(C(=O)NC2=O)c2cc3ccc(F)cc23)c2cc3OCOc3cc12</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Ugolkov AV, et al. 9-ING-41, a small-molecule glycogen synthase kinase-3 inhibitor, is active in neuroblastoma. Anticancer Drugs. 2018 Sep;29(8):717-724.