GDC-0941

Kinase Inhibitor

E1KS1065

Kinase Inhibitor Name:GDC-0941

Catalog Number: E1KS1065

Quantity: 10 mg

M.W.: 513.64

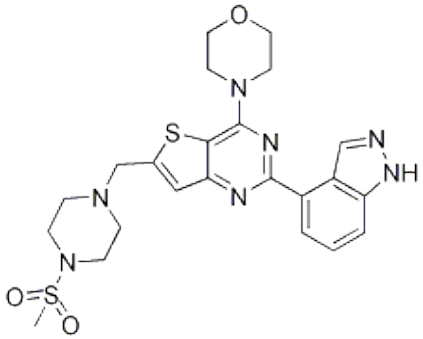
Formula: $C_{23}H_{27}N_7O_3S_2$

Solubility: DMSO ≥103mg/mL Water ≥103mg/mL Ethanol <1mg/mL

Purity: >99%

Storage: at -20℃ 2 years

CAS No.: 957054-30-7



Biological Activity

GDC-0941 against p110a IC50=0.003μM,U87MG IC50=0.95μM, A2780 IC50=0.14 μM, and in vitro metabolic stability in mouse and human is 91.96%. The inhibitions of U87MG , PC3, MDA-MB-361 cancer cell proliferation are (IC50) 0.95, 0.28, 0.72 μM, respectively.

References

The Identification of 2-(1H-Indazol-4-yl)-6-(4-methanesulfonyl-piperazin-1-ylmethyl)-4-morpholin-4-yl-thieno[3,2-d]pyrimidine (GDC-0941) as a Potent, Selective, Orally Bioavailable Inhibitor of Class I PI3 Kinase for the Treatment of Cancer Adrian J. Folkes,Khatereh Ahmadi,et al. J. Med. Chem 2008;51:5522–5532

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.