

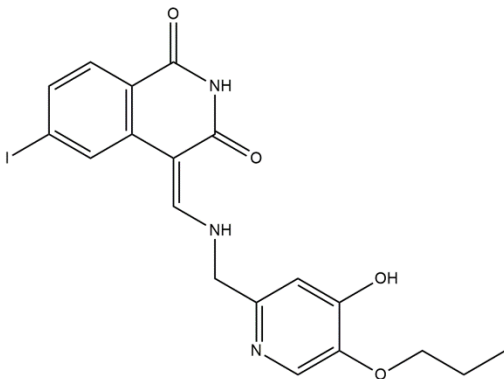
WAY-265497

11/19

ALTERNATE NAMES: 4-[[[(4-Hydroxy-5-propoxy-2-pyridinyl)methyl]amino]methylene]-6-iodo-1,3(2H,4H)-isoquinolinedione; Cdk4 Inhibitor V

CATALOG #: B2936-5 5 mg
B2936-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₁₈IN₃O₄

MOLECULAR WEIGHT: 479.27

CAS NUMBER: 943746-57-4

APPEARANCE: Solid

PURITY: 95%

SOLUBILITY: 50 mg/ml in DMSO

DESCRIPTION: WAY-265497 is a potent ATP-binding site-targeting inhibitor of Cdk4/D1 kinase activity with an IC₅₀ of 30 nM. It inhibits HCT116 and MCF-7 cancer cells with IC₅₀ values of 0.73 and 0.88 μM, respectively. It inhibits Cdk2/E and Cdk1/B at higher concentrations with IC₅₀ values of 1.6 μM and 25.3 μM, respectively.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Tsou, H.R., Liu, X., Birnberg, G., et al. Discovery of 4-(benzylaminomethylene)isoquinoline-1,3-(2H,4H)-diones and 4-[(pyridylmethyl)aminomethylene]isoquinoline-1,3-(2H,4H)-diones as potent and selective inhibitors of the cyclin-dependent kinase 4. *J Med Chem.* 52(8):2289-310 (2009).

RELATED PRODUCTS:

Gossypin (Cat. No. 2374)
 Cdk4 Inhibitor (Cat. No. B2928)
 Riviciclib hydrochloride (Cat. No. B2567)
 CINK4 (Cat. No. B2929)
 Ribociclib (LEE011) (Cat. No. 9481)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*