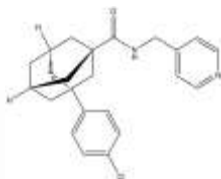


PRODUCT: ABC294640**ALTERNATE NAME:** (1S,3R,5R,7S)-3-(4-chlorophenyl)-N-(pyridin-4-ylmethyl)adamantane-1-carboxamide**CATALOG #:** B1231-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₃H₂₅ClN₂O**MOLECULAR WEIGHT:** 380.91**CAS NUMBER:** 915385-81-8**APPEARANCE:** White to off white solid**SOLUBILITY:** DMSO (>4 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.

DESCRIPTION: ABC294640 is a specific spingosine kinase-2 (SK-2) inhibitor having antineoplastic activity. This orally available aryl adamantane molecule upon administration binds and inhibits SK-2, preventing phosphorylation of the pro-apoptotic amino alcohol spingosine to spingosine-1-phosphate (S1P), the lipid mediator that is important for immunomodulation, this phosphorylation prevention of amino alcohol can induce apoptosis and may inhibit cancer cell proliferation.

REFERENCES: Shi, Y, *et.al.* (2012). *J Hepatol.* **56**, 137-145

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

RELATED PRODUCTS:ABC294640 (**B1231**)Sphingosine Kinase Inhibitor, SKI-I (**2046**)Sphingosine Kinase Inhibitor, SKI-II (**2047**)Sphingosine Kinase 1 (SPK1) Antibody (**3883**)Sphingosine Kinase 2 (SPK2) Antibody (**3884**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**