

Product Name	: Opaganib
Synonyms	: ABC294640;ABC 294640;ABC-294640
Cat No.	: M16576
CAS Number	: 915385-81-8
Molecular Formula	: C ₂₃ H ₂₅ ClN ₂ O
Formula Weight	: 380.92
Chemical Name	: 3-(4-chlorophenyl)-adamantane-1-carboxylic acid (pyridin-4-ylmethyl)amide
Description	Opaganib (ABC-294640, ABC294640) is a selective, competitive and orally bioavailable sphingosine kinase-2 (SphK-2) inhibitor with IC₅₀ of 60 uM, K_i of 9.8 uM; shows no activity against SphK-1 with IC₅₀ of >100 uM; attenuates S1P formation in intact cells, suppresses the proliferation of a broad panel of tumor cell lines, and inhibits tumor cell migration concomitant with loss of microfilaments; demonstrates antitumor activity in adenocarcinoma xenograft models. Blood Cancer Phase 2 Clinical
Pathway	: Immunology/Inflammation
Target	: SphK
Receptor	: SphK2
Solubility	: DMSO: 71 mg/mL (186.4 mM); Ethanol: 27 mg/mL (70.9 mM); Water: <1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>O=C([C@@]12C[C@]3(C4=CC=C(Cl)C=C4)C[C@@](C2)([H])C[C@](C3)([H])C1)NCC5=CC=NC=C5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. French KJ, et al. J Pharmacol Exp Ther. 2010 Apr;333(1):129-39. | 2. Maines LW, et al. Inflammopharmacology. 2010 Apr;18(2):73-85. | 3. Beljanski V, et al. J Pharmacol Exp Ther. 2010 May;333(2):454-64. | 4. Antoon JW, et al. Endocrinology. 2010 Nov;151(11):5124-35.