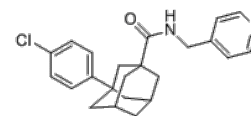


Product Name : Opaganib
Cat. No. : PC-60524
CAS No. : 915385-81-8
Molecular Formula : C₂₃H₂₅ClN₂O
Molecular Weight : 380.916
Target : Sphingosine kinase (SphK)
Solubility : 10 mM in DMSO



Biological Activity

Opaganib (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.

Opaganib (ABC294640) shows no activity against SphK-1 with IC₅₀ of >100 uM.

Opaganib (ABC294640) 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.

Opaganib (ABC294640) demonstrates antitumor activity in adenocarcinoma xenograft models.

References

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Maines LW, et al. *Inflammopharmacology.* 2010 Apr;18(2):73-85.

Beljanski V, et al. *J Pharmacol Exp Ther.* 2010 May;333(2):454-64.

Antoon JW, et al. *Endocrinology.* 2010 Nov;151(11):5124-35.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com