

## **Data Sheet**

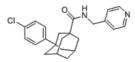
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Product Name : Opaganib
Cat. No. : PC-60524
CAS No. : 915385-81-8
Molecular Formula : C<sub>23</sub>H<sub>25</sub>ClN<sub>2</sub>O
Molecular Weight : 380.916

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, Ki 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

French KJ, et al. *J Pharmacol Exp Ther.* 2010 Apr;333(1):129-39.

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!

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