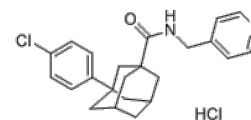


**Product Name** : ABC 294640 hydrochloride  
**Cat. No.** : PC-60525  
**CAS No.** : 1185157-59-8  
**Molecular Formula** : C<sub>23</sub>H<sub>26</sub>Cl<sub>2</sub>N<sub>2</sub>O  
**Molecular Weight** : 417.374  
**Target** : Sphingosine kinase (SphK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

ABC 294640 (Opaganib) hydrochloride is a selective, competitive and orally bioavailable sphingosine kinase-2 (**SphK-2**) inhibitor with IC<sub>50</sub> of 60 uM, K<sub>i</sub> of 9.8 uM.

ABC 294640 (Opaganib) shows no activity against SphK-1 with IC<sub>50</sub> of >100 uM.

ABC 294640 (Opaganib) 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.

ABC 294640 (Opaganib) 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!**

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