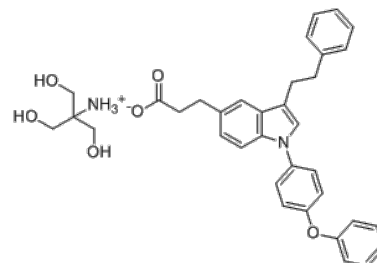


Product Name : ASB14780
Cat. No. : PC-60713
CAS No. : 1069046-00-9
Molecular Formula : $C_{31}H_{27}NO_3 \cdot C_4H_{11}NO_3$
Molecular Weight : 582.69
Target : Phospholipase
Solubility : 10 mM in DMSO



Biological Activity

ASB14780 (ASB-14780) is a potent, selective and orally active cytosolic phospholipase A2 α (**cPLA2 α**) inhibitor with IC₅₀ of 20 nM.

ASB 14780 displays excellent selectivity over other known secreted phospholipase A2s (sPLA2s), such as sPLA2-IA, sPLA2-IIA, sPLA2-III, and sPLA2-IB.

ASB 14780 markedly ameliorates liver injury and hepatic fibrosis, attenuates the CCl₄-induced expression of α -SMA protein and the mRNA expression of collagen 1a2, α -SMA, and TGF- β 1 in the liver, and inhibits the expression of monocyte/macrophage markers, CD11b and MCP-1 in vivo, while preventing the recruitment of monocytes/macrophages to the liver.

References

Tomoo T, et al. *J Med Chem*. 2014 Sep 11;57(17):7244-62.

Kanai S, et al. *J Pharmacol Exp Ther*. 2016 Mar;356(3):604-14.

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

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