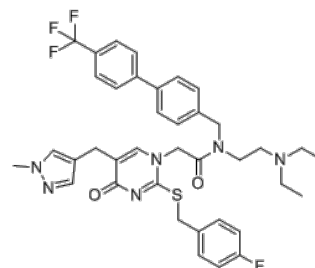


Product Name : SB-435495
Cat. No. : PC-63003
CAS No. : 304694-39-1
Molecular Formula : C₃₈H₄₀F₄N₆O₂S
Molecular Weight : 720.832
Target : Phospholipase
Solubility : 10 mM in DMSO



Biological Activity

SB-435495 is a potent, orally active inhibitor of **Lp-PLA2** with IC₅₀ of 0.06 nM. SB-435495 inhibits the enzyme in whole human plasma with IC₅₀ of 3 nM; shows little interaction with other CYP450 enzymes (CYP450 IC₅₀: 1A2>100 mM, 2C9>100 uM, 2C19>40 uM, 2D6=37 uM). SB-435495 effectively suppresses BRB breakdown in streptozotocin-diabetic Brown Norway rats.

References

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 Tyurin VA, et al. *Cell Death Differ*. 2014 May;21(5):825-35.
 Jiang Z, et al. *Respir Res*. 2012 Nov 12;13:100.

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

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