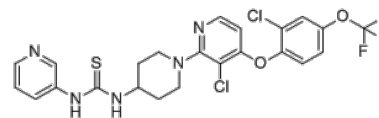


Product Name : DO264
Cat. No. : PC-35796
CAS No. :
Molecular Formula : C₂₃H₂₀Cl₂F₃N₅O₂S
Molecular Weight : 558.401
Target : Monoacylglycerol Lipase (MAGL)
Solubility :



Biological Activity

DO264 (DO-264) is a potent, selective, reversible and vivo-active inhibitor of **ABHD12** that inhibits ABHD12-dependent lyso-PS lipase activity of membrane lysates from mouse brain with IC₅₀ of 2.8 nM, blocks lyso-PS hydrolysis activities of recombinant mouse and human ABHD12 in transfected HEK293T cell lysates with IC₅₀ of 30-90 nM; selectively blocks >95% of ABHD12 activity without affecting the activity of other serine hydrolases in THP-1 cells at 1 μM; elevates lyso-PS in mouse brain and primary human macrophages, inhibits ABHD12 and increases brain lyso-PS content, stimulates immune responses in vivo.

References

Ogasawara D, et al. *Nat Chem Biol.* 2018 Dec;14(12):1099-1108.

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

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