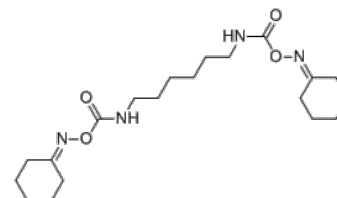


Product Name : RHC-80267
Cat. No. : PC-20126
CAS No. : 83654-05-1
Molecular Formula : C₂₀H₃₄N₄O₄
Molecular Weight : 394.52
Target : Diacylglycerol Lipase (DAGL)
Solubility : 10 mM in DMSO



Biological Activity

RHC-80267 (U 57908) is a small molecule inhibitor of diacylglycerol lipase (DAGL) with IC₅₀ values of 1.1 and 4 μM in rat cardiac myocytes and canine platelets respectively.

RHC-80267 potentiates acetylcholine evoked relaxation in mesenteric arteries by the inhibition of cholinesterase activity (IC₅₀=4 μM).

RHC-80267 inhibits thyrotropin-stimulated prostaglandin release from rat thyroid lobes.

RHC 80267 inhibits DGL activity (IC₅₀ = 4 μM) from guinea pig platelet microsomes but had no effect on PLC.

RHC 80267 inhibits platelet aggregation (IC₅₀ = 11 μM), release of arachidonic acid (AA), its metabolites, and ATP (IC₅₀=4.5 μM) when guinea pig platelets were challenged with a low concentration of thrombin.

References

Levasseur S, et al. Prostaglandins. 1984 May;27(5):673-82.

Sutherland CA, et al. J Biol Chem. 1982 Dec 10;257(23):14006-10.

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

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