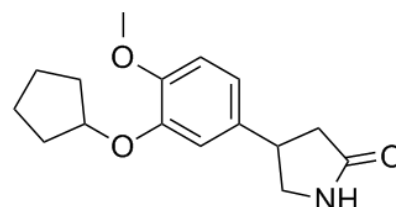


Product Name : Rolipram
Cat. No. : PC-45080
CAS No. : 61413-54-5
Molecular Formula : C₁₆H₂₁NO₃
Molecular Weight : 275.3428
Target : Phosphodiesterase (PDE)
Solubility : DMSO: ≥ 41 mg/mL



Biological Activity

A potent, selective inhibitor of phosphodiesterases PDE4 with IC₅₀ of 3 nM, 130 nM and 240 nM for PDE4A, PDE4B, and PDE4D, respectively; increases phosphorylation of CREB in U937 cells in a dose-dependent fashion, dose-dependently inhibits the IFN-gamma-stimulated phosphorylation of p38 MAPK with IC₅₀ of 290 nM; inhibits TNF production, attenuates carrageenan-induced paw inflammation in mice.

Asthma

Phase 2 Clinical

References

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Korhonen R, et al. *Br J Pharmacol.* 2013 Aug;169(7):1525-36.

Shalaby AM, et al. *J Pharmacol Pharmacother.* 2012 Apr;3(2):132-7.

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

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