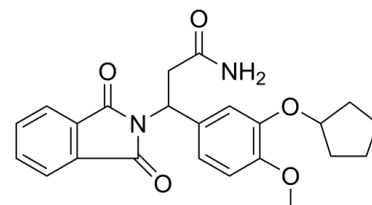


Data Sheet

Product Name:	CDC801
Cat. No.:	CS-7247
CAS No.:	192819-27-5
Molecular Formula:	C ₂₃ H ₂₄ N ₂ O ₅
Molecular Weight:	408.45
Target:	Phosphodiesterase (PDE); TNF Receptor
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

CDC801 is a potent and orally active phosphodiesterase 4 (**PDE4**) and tumor necrosis factor- α (**TNF- α**) inhibitor with **IC₅₀** of 1.1 μ M and 2.5 μ M, respectively. IC₅₀ & Target: IC₅₀: 1.1 μ M (PDE4), 2.5 μ M (TNF- α)^[1] *In Vitro*: The more detailed information refer to the Compound 6b in the reference 1 (PMID:19256507)^[1].

References:

[1]. Man HW, et al. Discovery of (S)-N-[2-[1-(3-ethoxy-4-methoxyphenyl)-2-methanesulfonylethyl]-1,3-dioxo-2,3-dihydro-1H-indol-4-yl] acetamide (apremilast), a potent and orally active phosphodiesterase 4 and tumor necrosis factor-alpha inhibitor. J Med Chem. 2009 Mar 26;52(6):1522-4.

CAIndexNames:

2H-Isoindole-2-propanamide, β -[3-(cyclopentyloxy)-4-methoxyphenyl]-1,3-dihydro-1,3-dioxo-

SMILES:

NC(CC(C1=CC(OC2CCCC2)=C(OC)C=C1)N3C(C4=C(C=CC=C4)C3=O)=O)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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