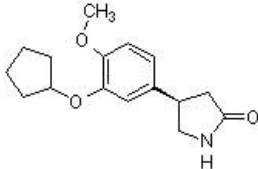
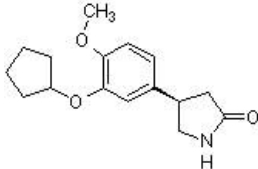


(R)-(-)-Rolipram, Selective PDE4 inhibitor ab120031

1 References [画像数 2](#)

製品の概要

製品名	(R)-(-)-Rolipram, Selective PDE4 inhibitor
製品の詳細	Selective PDE4 inhibitor
生理活性の詳細	Selective PDE4 inhibitor (IC ₅₀ = 0.22 μM). More active enantiomer: 2-10-fold more potent than the (S)-(+)-enantiomer (ab120030).
CAS 番号	85416-75-7
構造式	



製品の特性

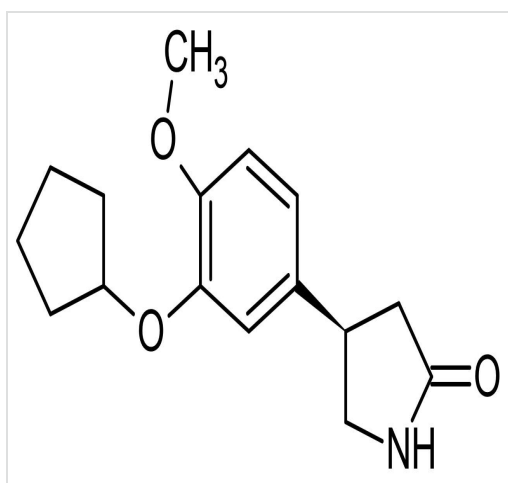
体系名	(4R)-4-[3-(Cyclopentyloxy)-4-methoxyphenyl]pyrrolidin-2-one
分子量	275.35
分子式	C ₁₆ H ₂₁ NO ₃
PubChem 登録番号	448055
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM
使用に関する注意	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES 線形表記	<chem>COc2ccc(cc2OC1CCCC1)[C@H]3CC(=O)NC3</chem>
由来	Synthetic

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab120031の使用に適用されず
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

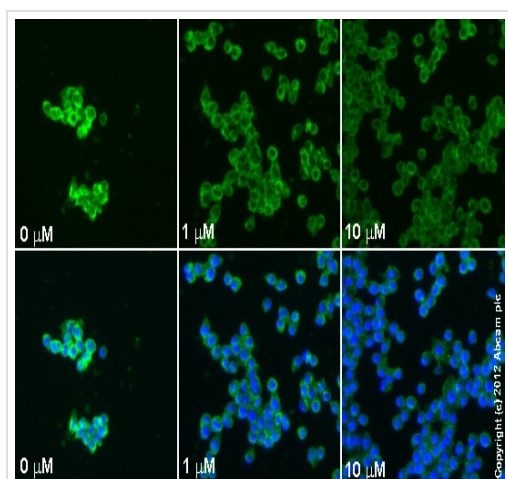
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



2D chemical structure image of ab120031, (R)-(-)-Rolipram, Selective PDE4 inhibitor

Chemical Structure - (R)-(-)-Rolipram, Selective PDE4 inhibitor (ab120031)



Immunocytochemistry/ Immunofluorescence - (R)-(-)-Rolipram, Selective PDE4 inhibitor (ab120031)

ab1793 staining TNF α in RAW 264.7 cells treated with (R)-(-)-rolipram (ab120031), by ICC/IF. Decrease in TNF α expression correlates with increased concentration of (R)-(-)-rolipram, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120031 ((R)-(-)-rolipram) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab1793** (5 μ g/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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