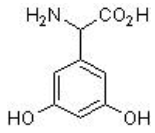
abcam

Product datasheet

(R,S)-3,5-DHPG, group I mGlu receptor agonist ab120020

5 References 画像数 2

製品の概要

製品名	(R,S)-3,5-DHPG, group I mGlu receptor agonist
製品の詳細	Group I mGlu receptor agonist
精製度	> 98%
CAS 番号	146255-66-5
構造式	

製品の特性

体系名	2-amino-2-(3,5-dihydroxyphenyl)acetic acid
分子量	183.16
分子式	$C_8H_9NO_4$
PubChem 登録番号	108001
保存方法	Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
溶解性	Soluble in water to 10 mM
使用に関する注意	This compound is also unstable in alkaline solution when it rapidly forms a brown colouration it is therefore recommended that alkaline is not used to dissolve this compound. We recommend stock solutions are made up in water, aliquoted immediately and stored at -20°C. They should be used within one week. Refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.
SMILES 線形表記	C1=C(C=C(C=C1O)O)C(C(=O)O)N
由来	Synthetic

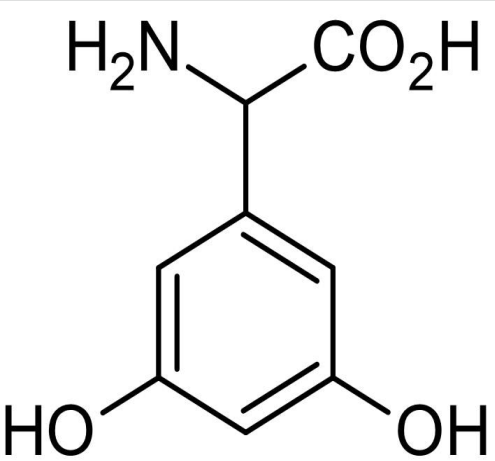
アプリケーション

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ab120020の使用に適用されます

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検討ください。

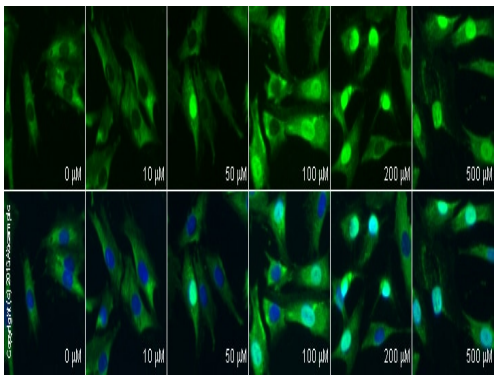
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - (R,S)-3,5-DHPG, group I mGlu receptor agonist (ab120020)

2D chemical structure image of ab120020, (R,S)-3,5-DHPG, group I mGlu receptor agonist



Immunocytochemistry/ Immunofluorescence - (R,S)-3,5-DHPG, group I mGlu receptor agonist (ab120020)

ab17722 staining FMRP in SK-N-SH cells treated with (R,S)-3,5-DHPG (ab120020), by ICC/IF. Increase in FMRP expression correlates with increased concentration of (R,S)-3,5-DHPG, as described in literature.

The cells were incubated at 37°C for 1h in media containing different concentrations of ab120020 ((R,S)-3,5-DHPG) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab17722** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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