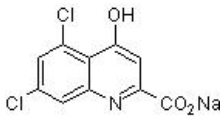
abcam

Product datasheet

5,7-Dichlorokynurenic acid sodium salt, NMDA receptor glycine site antagonist ab120254

画像数 2

製品の概要

製品名	5,7-Dichlorokynurenic acid sodium salt, NMDA receptor glycine site antagonist
製品の詳細	NMDA receptor glycine site antagonist; water soluble
生理活性の詳細	Potent NMDA receptor glycine site antagonist. Water soluble form. Also available in simple stock solutions (**ab146691**) - add 1 ml of water to get an exact, ready-to-use concentration.
精製度	> 99%
CAS 番号	1184986-70-6
構造式	

製品の特性

体系名	5,7-Dichloro-4-hydroxyquinoline-2-carboxylic acid sodium salt
分子量	280.04
分子式	$C_{10}H_4Cl_2NNaO_3$
PubChem 登録番号	44134672
保存方法	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water to 10 mM and in 1 eq. NaOH 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. 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	O=C(O[Na])c1cc(O)c2c(Cl)cc(Cl)cc2n1
由来	Synthetic

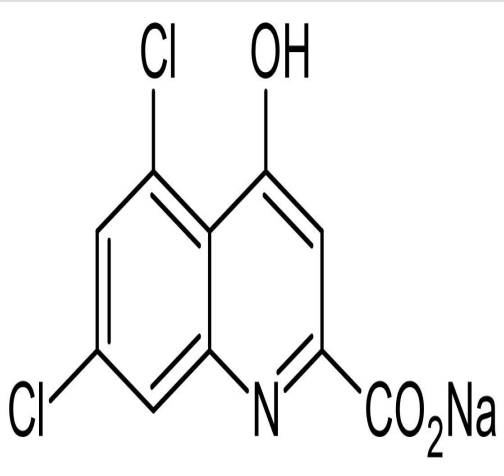
アプリケーション

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ab120254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。

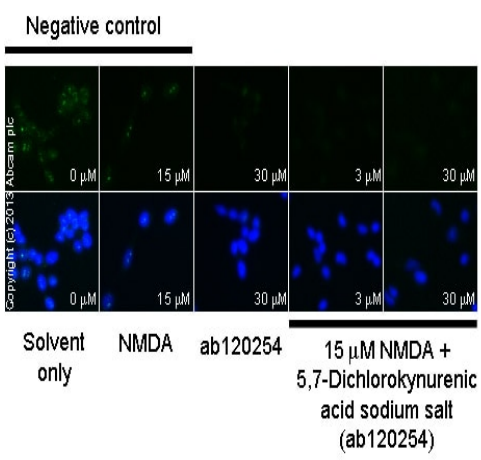
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - 5,7-Dichlorokynurenic acid sodium salt, NMDA receptor glycine site antagonist (ab120254)

2D chemical structure image of ab120254, 5,7-Dichlorokynurenic acid sodium salt, NMDA receptor glycine site antagonist



Functional Studies - 5,7-Dichlorokynurenic acid sodium salt, NMDA receptor glycine site antagonist (ab120254)

ab12416 staining cGMP in SKNSH cells treated with 5,7-Dichlorokynurenic acid sodium salt (ab120254), by ICC/IF. Decrease in cGMP expression correlates with increased concentration of 5,7-Dichlorokynurenic acid sodium salt, as described in literature.
The cells were incubated at 37°C for 20 minutes in media containing different concentrations of ab120254 (5,7-Dichlorokynurenic acid sodium salt) in DMSO. Some samples where then further incubated with 15 µM NMDA (**ab120052**) for 5 minutes and all samples were 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 **ab12416** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with D

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