

### CNQX disodium salt, AMPA / kainate antagonist ab120044

35 References 画像数 2

医薬用外劇物

#### 製品の概要

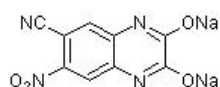
製品名	CNQX disodium salt, AMPA / kainate antagonist
製品の詳細	AMPA / kainate antagonist; water soluble
生理活性の詳細	Water soluble, potent, competitive AMPA / kainate receptor antagonist. Also antagonist at NMDA receptor glycine site.

Also available in simple stock solutions ([ab144488](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS 番号

479347-85-8

構造式



#### 製品の特性

体系名	1,2,3,4-Tetrahydro-7-nitro-2,3-dioxoquinoxaline-6-carbonitrile disodium
分子量	276.12
分子式	C <sub>9</sub> H <sub>2</sub> N <sub>4</sub> Na <sub>2</sub> O <sub>4</sub>
PubChem 登録番号	2821
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 water to 25 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

[Na+].[Na+].[O-][N+](=O)c1cc2nc([O-])c([O-])nc2cc1C#N

由来

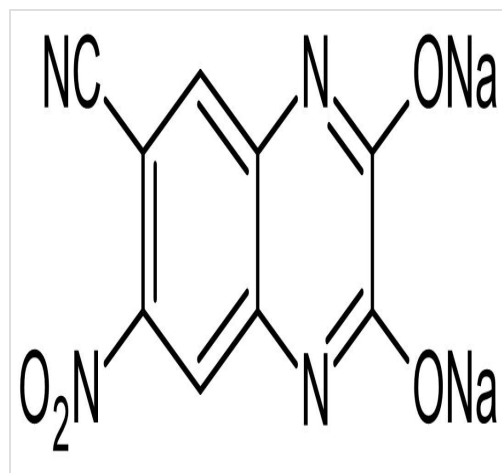
Synthetic

## 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ab120044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。

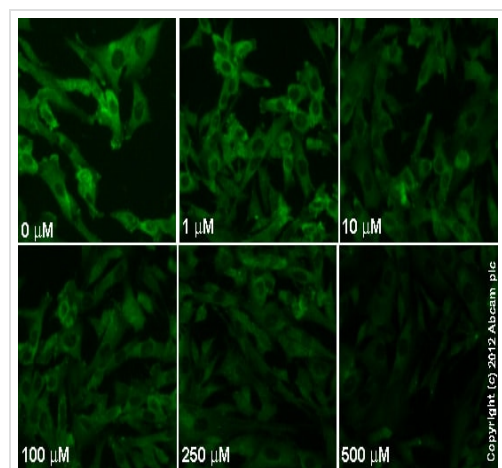
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



2D chemical structure image of ab120044, CNQX disodium salt, AMPA / kainate antagonist

Chemical Structure - CNQX disodium salt, AMPA / kainate antagonist (ab120044)



Functional Studies - CNQX disodium salt, AMPA / kainate antagonist (ab120044)

**ab96379** staining MEK1 (phospho S298) in SK-N-SH cells treated with CNQX disodium salt (ab120044), by ICC/IF. Decrease in MEK1 (phospho S298) expression correlates with increased concentration of CNQX disodium salt, as described in literature. The cells were incubated at 37°C for 24h in media containing different concentrations of ab120044 (CNQX disodium salt) 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 **ab96379** (1/100 dilution) 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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