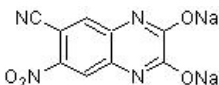


Product datasheet

CNQX disodium salt (mM/ml), AMPA / kainate antagonist (water soluble) ab144488

[7 References](#) [2 Images](#)

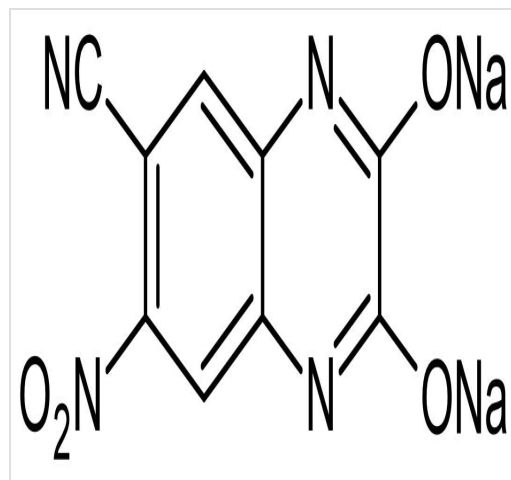
Overview

Product name	CNQX disodium salt (mM/ml), AMPA / kainate antagonist (water soluble)
Description	AMPA / kainate antagonist (water soluble). 1 ml water soluble pack.
Biological description	Water soluble, potent, competitive AMPA / kainate receptor antagonist. Also antagonist at NMDA receptor glycine site. Soluble in 1 ml water to give specified mM/ml concentration. Find out more.
Purity	> 99%
CAS Number	479347-85-8
Chemical structure	 The chemical structure shows a fused benzimidazole ring system. The benzene ring has a nitrile group (NC) at position 6 and a nitro group (O2N) at position 7. The imidazole ring has two sodium salt groups (ONa) at positions 2 and 3.

Properties

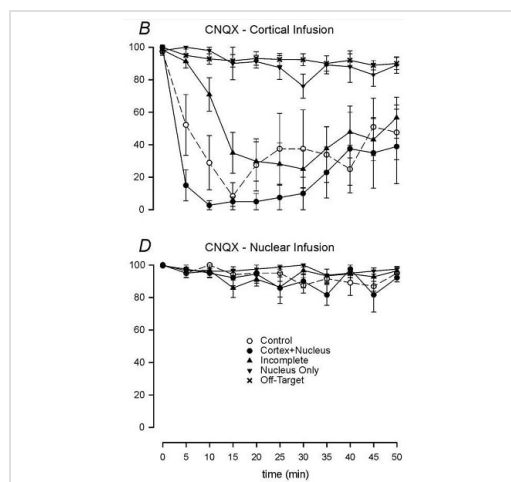
Chemical name	1,2,3,4-Tetrahydro-7-nitro-2,3-dioxoquinoxaline-6-carbonitrile disodium
Molecular weight	276.12
Molecular formula	C ₉ H ₂ N ₄ Na ₂ O ₄
PubChem identifier	2821
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in 1 ml of water to give specified mM/ml concentration
Handling	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	[Na+].[Na+].[O-][N+](=O)c1cc2nc([O-])c([O-])nc2cc1C#N

Images



Chemical Structure - CNQX disodium salt (mM/ml),
AMPA / kainate antagonist (water soluble)
(ab144488)

2D chemical structure image of ab144488, CNQX disodium salt
(mM/ml), AMPA / kainate antagonist (water soluble)



Flow Cytometry - CNQX disodium salt (mM/ml),
AMPA / kainate antagonist (water soluble)
(ab144488)

Kellett et al PLoS One. 2010; 5(7): e11737. Reproduced
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Effects of cortical and nuclear CNQX on performance of established CRs.

Mean (± 1 SEM) effects of CNQX (6 nmol) on CR performance when infused into cortical (2 μ l; top panels) or nuclear cannulae (1 μ l; bottom panels).

(From Figure 4 of Kellett et al).

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