

## Product: NBQX disodium salt

### RELATED PRODUCTS:

Evans Blue Tetrasodium (Cat. No. 2586-1G)

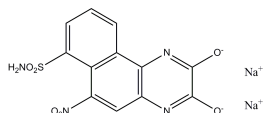
LY404187 (Cat. No. 2698-5, 25)

**ALTERNATE NAME:** 2,3-Dioxo-6-nitro-1,2,3,4-tetrahydrobenzo[f]quinoxaline-7-sulfonamide disodium salt

**CATALOG #:** 2759-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>12</sub>H<sub>6</sub>N<sub>4</sub>O<sub>6</sub>SNa<sub>2</sub>

**MOLECULAR WEIGHT:** 380.24

**CAS NUMBER:** 479347-86-9

**APPEARANCE:** Dark brown solid

**SOLUBILITY:** H<sub>2</sub>O (~ 35 mg/ml)

**PURITY:** ≥98%

**STORAGE:** Store at -20 °C. Protect from light and moisture

**DESCRIPTION:** NBQX is a potent, selective and competitive AMPA ( $\alpha$ -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid) receptor antagonist. It targets both AMPA- and kainate-sensitive glutamate receptors (IC<sub>50</sub> = 0.15 and 4.8  $\mu$ M, respectively). NBQX does not block the NMDA-sensitive glutamate receptor (IC<sub>50</sub> =  $\geq$  90  $\mu$ M).

**REFERENCE:** Sheardown, M.J., *et al.* (1990). *Science* **247**, 571-574.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**