

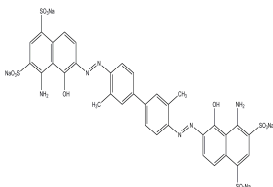
**PRODUCT: Evans Blue Tetrasodium**

**ALTERNATE NAME:** 6,6-[(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[4-amino-5-hydroxy-1,3-naphthalenedisulphonic acid] tetrasodium salt

**CATALOG #:** 2586-1G

**AMOUNT:** 1 g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>34</sub>H<sub>24</sub>N<sub>6</sub>Na<sub>4</sub>O<sub>14</sub>S<sub>4</sub>

**MOLECULAR WEIGHT:** 960.81

**CAS No.** 314-13-6

**APPEARANCE:** Dark blue solid

**SOLUBILITY:** H<sub>2</sub>O (~ 10 mg/ml)

**PURITY:** λ<sub>max</sub>: 605.0-613.0 nm (H<sub>2</sub>O)

**STORAGE:** Store at RT. Protect from light and moisture

**DESCRIPTION:** A potent inhibitor of the uptake of L-glutamate into synaptic vesicles. Evans blue also inhibits AMPA and kainate receptor-mediated currents with IC<sub>50</sub> values of 220 and 150 nM respectively. Also acts as a P2X-selective purinoceptor antagonist.

**REFERENCES:** Roseth, S., *et al.* (1995). *J. Neurochem.* **65**, 96-103.

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

**RELATED PRODUCTS:**

Glutamate Colorimetric Assay Kit (Cat. No. K629-100)

JM6 (Cat. No. 1913-5, 25)

Kainic acid (Cat. No. 2279-5, 25)

RO 61-8048 (Cat. No. 1912-5, 25)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans.**