

## Product datasheet

# Evans blue (mM/ml), L-glutamate uptake inhibitor ab146727

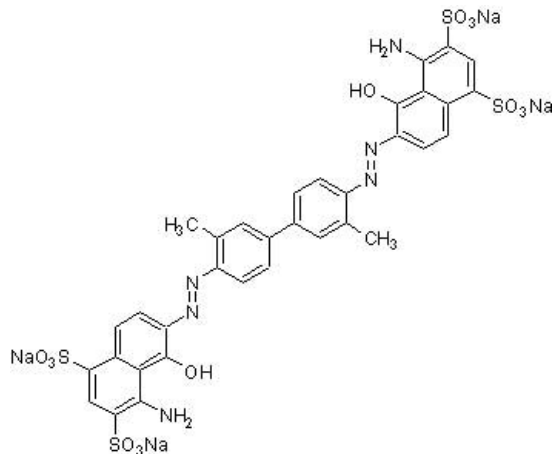
### Overview

<b>Product name</b>	Evans blue (mM/ml), L-glutamate uptake inhibitor
<b>Description</b>	Potent inhibitor of L-glutamate uptake. 1 ml water soluble pack.
<b>Biological description</b>	Potent inhibitor of L-glutamate uptake <i>via</i> the membrane bound excitatory amino acid transporter (EAAT). Able to antagonize AMPA and kainate receptor mediated currents (IC <sub>50</sub> values are 220 and 150 nM, respectively). Binds with high affinity to serum albumin.
	Soluble in 1 ml water to give specified mM/ml concentration. <a href="#">Find out more.</a>

**Purity** > 95%

**CAS Number** 314-13-6

### Chemical structure



### Properties

<b>Chemical name</b>	6,6'-[(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(2,1-diazenediyl)]bis[4-amino-5-hydroxy-1,3-naphthalenedisulfonic acid] tetrasodium salt
<b>Molecular weight</b>	960.80
<b>Molecular formula</b>	C <sub>34</sub> H <sub>24</sub> N <sub>6</sub> Na <sub>4</sub> O <sub>14</sub> S <sub>4</sub>
<b>PubChem identifier</b>	9566057
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.

<b>Solubility overview</b>	Soluble in 1 ml water to give specified mM/ml concentration
<b>Handling</b>	<p>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.</p> <p>Refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our <b><a href="#">frequently asked questions (FAQ) page</a></b> for more details.</p>
<b>SMILES</b>	<chem>O=S(=O)(O[Na])c6cc(c(N)c5c6ccc(/N=N/c1ccc(cc1C)c4ccc(/N=N/c3ccc2c(cc(c(N)c2c3O)S(=O)(=O)O[Na])S(=O)(=O)O[Na])c(C)c4)c5O)S(=O)(=O)O[Na]</chem>
<b>Source</b>	Synthetic

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

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