

Evans blue, L-glutamate uptake inhibitor ab120869

[2 References](#) [1 Image](#)

Overview

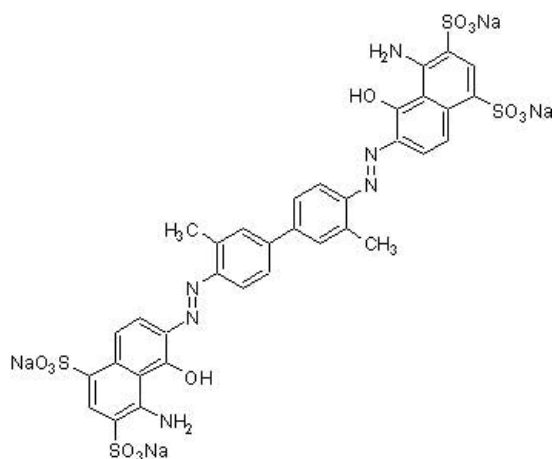
Product name	Evans blue, L-glutamate uptake inhibitor
Description	Potent inhibitor of L-glutamate uptake
Biological description	Potent inhibitor of L-glutamate uptake <i>via</i> the membrane bound excitatory amino acid transporter (EAAT). Able to antagonize AMPA and kainate receptor mediated currents (IC ₅₀ values are 220 and 150 nM, respectively). Binds with high affinity to serum albumin.

Also available in simple stock solutions ([ab146727](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

Purity > 95%

CAS Number 314-13-6

Chemical structure



Properties

Chemical name	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
Molecular weight	960.80
Molecular formula	C ₃₄ H ₂₄ N ₆ Na ₄ O ₁₄ S ₄
PubChem identifier	9566057
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview

Soluble in water to 100 mM

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.

Refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our **[frequently asked questions \(FAQ\) page](#)** for more details.

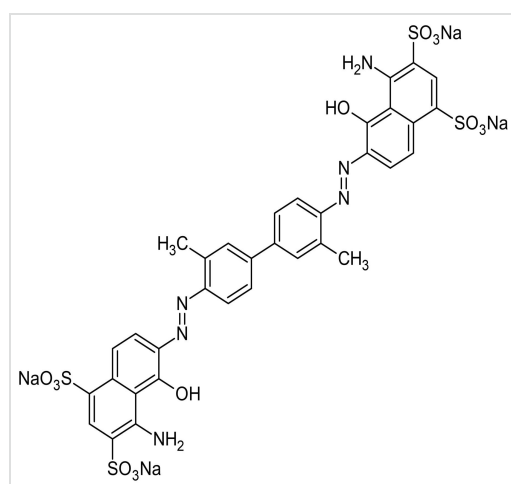
SMILES

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]

Source

Synthetic

Images



2D chemical structure image of ab120869, Evans blue, L-glutamate uptake inhibitor

Chemical Structure - Evans blue, L-glutamate uptake inhibitor (ab120869)

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

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