

Catalog Number: CM05086

产品信息

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CM05086

CAS号:
314-13-6

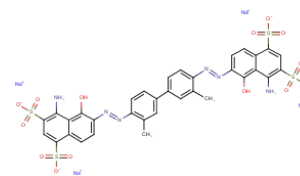
分子式:
 $C_{34}H_{24}N_6Na_4O_{14}S_4$

主要靶点:
GluR

主要通路:
神经科学

分子量:
960.78

溶解度:
H₂O:104.1 mM,DMSO:104.1 mM



靶点活性

vesicular glutamate uptake:87 nM

体外活性

Evans Blue is found to be inhibiting DNA binding of NF- κ B at a low concentration of 100 μ M[1]. It has proven over the years to be a dependable stain for microscopic determination of cell death[2]. Evans Blue is also a known blocker of a subset of α -amino-3-hydroxy-5-methyl-isoxazole/kainate receptors (IC₅₀=355 nM) for the subunit combination GluR1,2[5]. Evans blue is the first known δ -subunit-specific antagonist of ENaC and activates large-conductance Ca²⁺-activated K⁺ channels in sheep bladder myocytes and cultured endothelial cells of human umbilical veins[5].

体内活性

Evans blue pretreatment could inhibit the mast cells degranulation and that may be the main mechanism for prevent animals from C48/80-triggered anaphylaxis and systemic inflammation[4]. Evans blue modulates the non-N-methyl-D-aspartate receptor in rat thalamic neurons, blocks the P2X-purinergic receptor in rat vas deferens, and inhibits the glutamate transporter in rat brain synaptic vesicles[6].

描述

Evans blue (C.I. 23860) is an azo dye, inhibits L-glutamate uptake via the membrane-bound excitatory amino acid transporter (EAAT).

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year