Product datasheet

Cibacron Blue 3G-A ab141504

Overview

Product name: Cibacron Blue 3G-A

Description: Anthraquinone derivative dye. Potent nucleotide-mimetic ligand

Biological description: Anthraquinone derivative dye. Potent nucleotide-mimetic ligand. Ortho-isomer of Reactive Blue 2. Inhibits Na⁺/K⁺-ATPase. Antagonizes P2 receptors (IC₅₀ values are 17.4 and 9.1 μM for P2Y and P2X, respectively).

Properties

Chemical name: 1-Amino-4-[[4-[[4-chloro-6-[[2-sulfophenyl]amino]-1,3,5-triazin-2-yl]amino]-3-sulfophenyl]amino]-9,10-dihydro-9,10-dioxoanthracene-2-sulfonic acid trisodium salt

Molecular weight: 840.10

Chemical structure:

![Chemical structure of Cibacron Blue 3G-A](image)

Molecular formula: C_{29}H_{17}CIN_{7}Na_{3}O_{11}S_{3}

CAS Number: 84166-13-2

Storage instructions: Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview: Soluble in Water to 10 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.

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

SMILES: Clc6nc(Nc1ccccc1S(=O)(=O)O[Na]ncc(Nc5ccc(Nc4cc(cc(N)c3C(=O)c2ccccc2C(=O)c34)S(=O))=O)=O)
Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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