

Product datasheet

DIDS α b120277

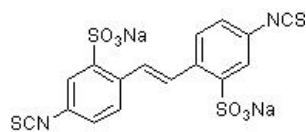
Overview

Product name	DIDS
Description	Generic chloride channel blocker.
Biological description	Stilbene disulfonate that inhibits anionic transport. Used to inhibit Cl ⁻ uptake through plasma membrane-localized Cl ⁻ channels in order to study chloride transport. Also effectively inhibits various sodium-coupled bicarbonate transporters. Reacts with CD4 glycoprotein on T helper lymphocytes and macrophages, blocking HIV type-1 growth at multiple stages of the viral life cycle.
General notes	Fluorescence: max. Abs. λ = 341, max. Em. λ = 415 (in water).

Properties

Excitation	341nm
Emission	415nm
Chemical name	4,4'-Diisothiocyano-2,2'-stilbenedisulfonic acid disodium salt
Molecular weight	498.50

Chemical structure



Molecular formula	C ₁₆ H ₈ N ₂ Na ₂ O ₆ S ₄
CAS Number	67483-13-0
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO and in water
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.

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