

Product datasheet

DIDS ab120277

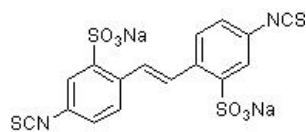
Overview

<b>Product name</b>	DIDS
<b>Description</b>	Generic chloride channel blocker.
<b>Biological description</b>	Stilbene disulfonate that inhibits anionic transport. Used to inhibit Cl <sup>-</sup> uptake through plasma membrane-localized Cl <sup>-</sup> 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.
<b>General notes</b>	Fluorescence: max. Abs. λ = 341, max. Em. λ = 415 (in water).

Properties

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

Chemical structure



<b>Molecular formula</b>	C <sub>16</sub> H <sub>8</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>4</sub>
<b>CAS Number</b>	67483-13-0
<b>Storage instructions</b>	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.
<b>Solubility overview</b>	Soluble in DMSO and in water
<b>Handling</b>	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 <a href="#">frequently asked questions (FAQ) page</a> for more details.

**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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