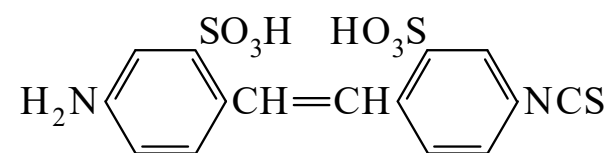




>>Entry Name: 5-Amino-2-[2-(4-isothiocyanato-2-sulphophenyl)ethenyl]benzenesulfonic acid, 9CI

Synonym(s): 4-Amino-4'-isothiocyanatostilbene-2,2'-disulfonic acid



CAS Registry Number: 109770-37-8

Related CAS Registry Numbers(s): 19293-45-9

Molecular Formula: C<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub>S<sub>3</sub>

Molecular Weight: 412.468

Accurate Mass: 411.985748

Percentage Composition: C 43.68%; H 2.93%; N 6.79%; O 23.27%; S 23.32%

>>Derivative: N-Ac

Synonym(s): 4-Acetamido-4'-isothiocyanatostilbene-2,2'-disulfonic acid. SITS

CAS Registry Number: 27816-59-7

Molecular Formula: C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>7</sub>S<sub>3</sub>

Molecular Weight: 454.505

Accurate Mass: 453.996313

Percentage Composition: C 44.93%; H 3.10%; N 6.16%; O 24.64%; S 21.17%

Use/Importance: Reagent used in the fluorescent labelling of proteins, etc.

Biological Use/Importance: Chloride channel blocker

Other Data: *trans*-Form predominates

>>Derivative: N-Ac, di-Na salt

CAS Registry Number: 51023-76-8

Physical Description: Moisture-sensitive pale yellow cryst. (NaCl aq.)

Other Data: Commercially available

Fluka: 309

Sigma: A8767

#### References:

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Stoehr, M. *et al.*, *Stain Technol.*, 1978, **53**, 205, (*use*)  
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