

**Product Name:** IHR-Cy3

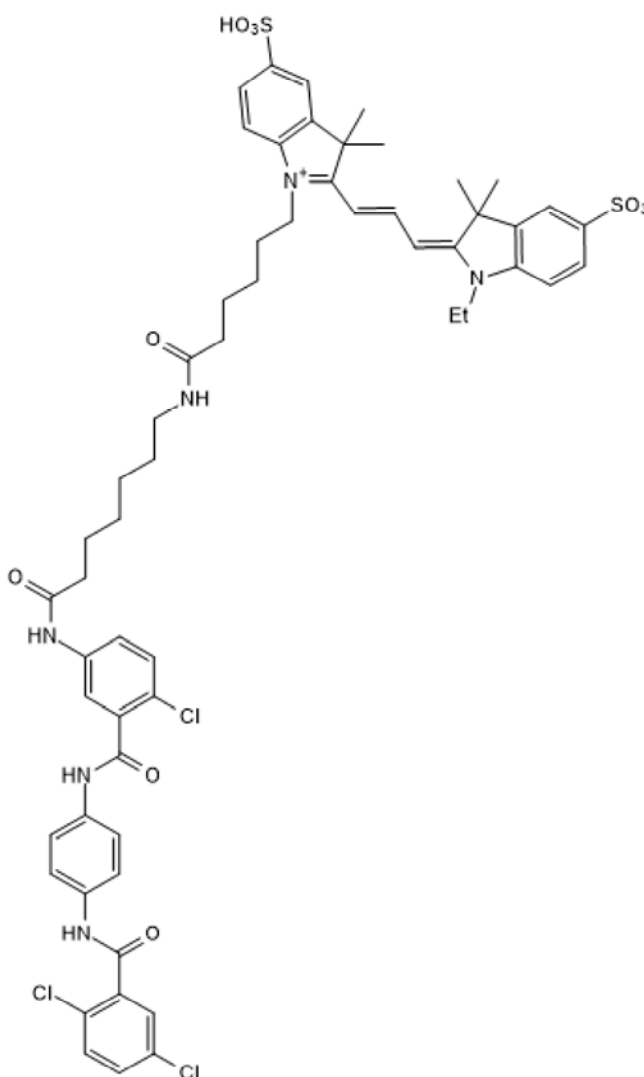
**Catalog No.:** 5561

**Batch No.:** 1

**IUPAC Name:** (2-[3-[1-(6-[[7-[[4-Chloro-3-[[4-(2,5-dichlorobenzamido)phenyl]carbamoyl]phenyl]amino]-7-oxoheptylamino]-6-oxohexyl]-1,3-dihydro-3,3-dimethyl-5-sulfo-2*H*-indol-2-ylidene]-1-propen-1-yl]-1-ethyl-3,3-dimethyl-5-sulfo-3*H*-indolium, inner salt

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>58</sub>H<sub>63</sub>Cl<sub>3</sub>N<sub>6</sub>O<sub>10</sub>S<sub>2</sub>.  
**Batch Molecular Weight:** 1174.64  
**Physical Appearance:** Red solid  
**Solubility:** DMSO to 5 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use  
 R<sub>f</sub> = 0.5 (Dichloromethane:Methanol [1:1])

**TLC:**

bio-techne.com  
 info@bio-techne.com  
 techsupport@bio-techne.com

**North America**  
 Tel: (800) 343 7475

**China** 98.6% purity  
 info.cn@bio-techne.com  
 Tel: +86 (21) 52360379

**Europe Middle East Africa**  
 Tel: +44 (0)1235 529449

**Rest of World**  
[www.tocris.com/distributors](http://www.tocris.com/distributors)  
 Tel: +1 612 379 2956

**Mass Spectrum:**

Consistent with structure

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**Description:**

Potent fluorescent Smo antagonist (IC<sub>50</sub> = 100 nM). Non-fluorescent analog also available.

**Physical and Chemical Properties:**

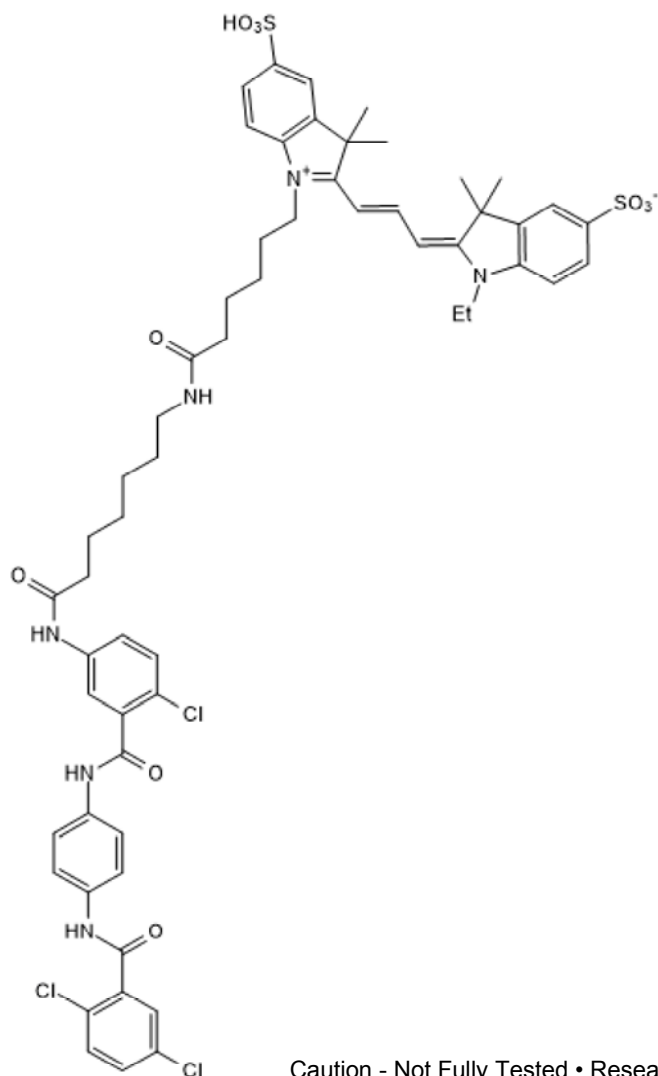
Batch Molecular Formula: C<sub>58</sub>H<sub>63</sub>Cl<sub>3</sub>N<sub>6</sub>O<sub>10</sub>S<sub>2</sub>.

Batch Molecular Weight: 1174.64

Physical Appearance: Red solid

**Minimum Purity:** >95%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 5 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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**References:**

Pan et al (2014) The Hedgehog pathway effector smoothened exhibits signaling competency in the absence of ciliary accumulation. Chem.Biol. 27 1680. PMID: 25484239.

**North America**

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