

Product Name: BDY 630-X, SE

Catalog No.: 5468

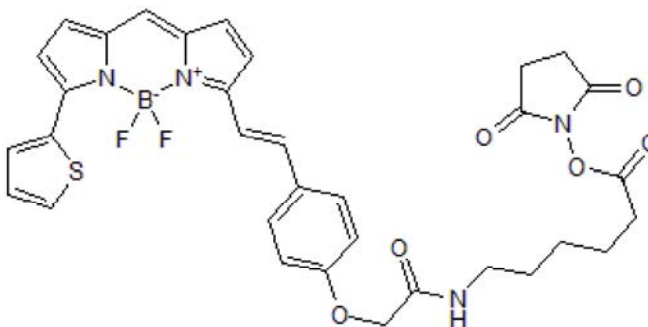
Batch No.: 1

CAS Number: 380367-48-6

IUPAC Name: (T-4)-[2,5-Dioxo-1-pyrrolidinyl 6-[[[2-[4-[2-[5-[[5-(2-thienyl)-2H-pyrrol-2-ylidene-κN]methyl]-1H-pyrrol-2-yl-κN]ethenyl]phenoxy]acetyl]amino]hexanoato]difluoroboron

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₃₃ H ₃₁ BF ₂ N ₄ O ₆ S
Batch Molecular Weight:	660.5
Physical Appearance:	Purple solid
Solubility:	DMSO to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 97.4% purity
Mass Spectrum:	Consistent with structure
λ_{max}:	625 nm (Methanol)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

BDY 630-X, SE is a fluorescent red BDY (BODIPY® or boron-dipyrromethene) dye for the labeling of amines. Displays high fluorescence quantum yield and high extinction coefficient and is relatively insensitive to pH change. This dye contains a seven-atom aminohexanoyl ("X") spacer between the fluorophore and the NHS ester group, reducing the potential for interactions between the fluorophore and conjugated biomolecule. The hydrophobic nature of BDY 630-X makes it ideal for labeling lipid and cell membranes. BDY 630-X also exhibits narrow emission bandwidths and has a relatively long excited-state lifetime, making it ideal for fluo... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

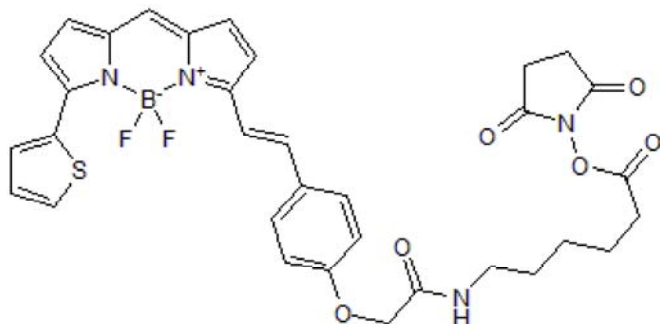
Batch Molecular Formula: C₃₃H₃₁BF₂N₄O₆S

Batch Molecular Weight: 660.5

Physical Appearance: Purple solid

Minimum Purity: ≥90%

Batch Molecular Structure:



References:

Vernall *et al* (2012) Highly potent and selective fluorescent antagonists of the human adenosine A₃ receptor based on the 1,2,4-triazolo [4,3-a]quinoxalin-1-one scaffold. *J.Med.Chem.* **55** 1771. PMID: 22277057.

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 100 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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