

Product Name: BOP-JF646

Catalog No.: 6997

Batch No.: 1

IUPAC Name: 2-(3-(Azetidin-1-ium-1-ylidene)-7-(azetidin-1-yl)-5,5-dimethyl-3,5-dihydrodibenzo[*b,e*]silin-10-yl)-5-(((1-((3*R*,5*S*)-5-(((*S*)-1-carboxy-2-(4-((pyrrolidine-1-carbonyl)oxy)phenyl)ethyl)carbamoyl)-1-(phenylsulfonyl)pyrrolidin-3-yl)-1*H*-1,2,3-triazol-4-yl)methyl)carbamoyl)benzoate

1. PHYSICAL AND CHEMICAL PROPERTIES

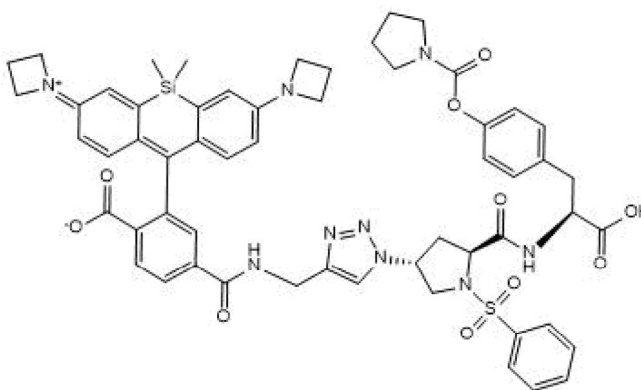
Batch Molecular Formula: C₅₇H₅₉N₉O₁₀SSi

Batch Molecular Weight: 1090.3

Physical Appearance: Blue solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 93.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

UV Spectrum: Consistent with structure

λ_{max}: 655 nm (EtOH + 0.1% TFA)

λ_{ex}: 655 nm (EtOH + 0.1% TFA)

λ_{em}: 672 nm (EtOH + 0.1% TFA)

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

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Description:

BOP-JF646 is a fluorescent dual α9β1/α4β1 integrin inhibitor. Comprises BOP (Cat. No. 6047) conjugated to Janelia Fluor® 646 (Cat. No. 6148). Fluorogenic: fluoresces only once bound to integrins, enabling hassle-free no-wash experiments. Bright and photostable, enabling live cell tracking of integrin receptors over long time-course experiments. Excitation maximum = 655 nm; emission maximum = 672 nm.

Physical and Chemical Properties:

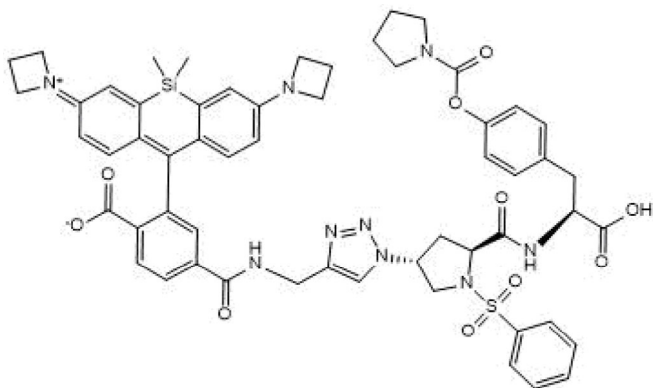
Batch Molecular Formula: C₅₇H₅₉N₉O₁₀SSi

Batch Molecular Weight: 1090.3

Physical Appearance: Blue solid

Minimum Purity: ≥90%

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:

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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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