

Product Name: Taxol Janelia Fluor[®] 646

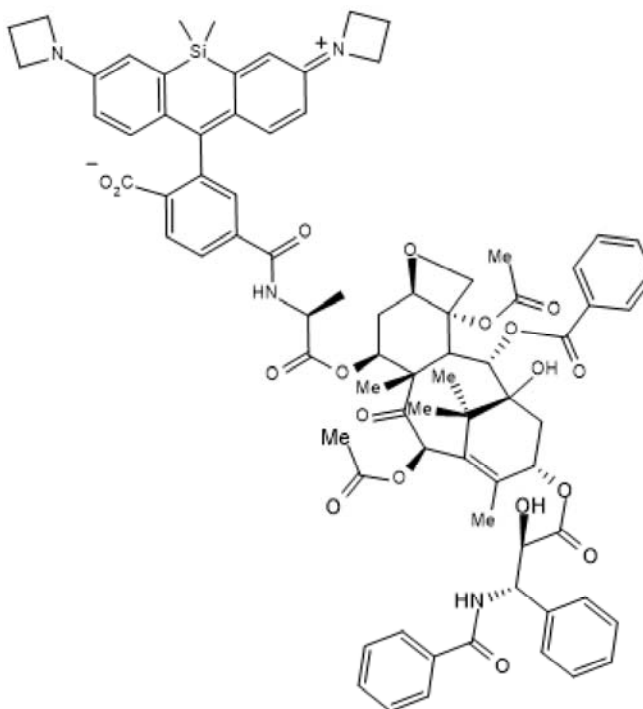
Catalog No.: 6266

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)-4-(((2*S*)-1-(((2*aR*,4*S*,4*aS*,6*R*,9*S*,11*S*,12*S*,12*bS*)-6,12*b*-diacetoxo-9-(((2*R*,3*S*)-3-benzamido-2-hydroxy-3-phenylpropanoyl)oxy)-12-(benzyloxy)-11-hydroxy-4*a*,8,13,13-tetramethyl-5-oxo-2*a*,3,4,4*a*,5,6,9,10,11,12,12*a*,12*b*-dodecahydro-1*H*-7,11-methanocyclodeca[3,4]benzo[1,2-*b*]oxet-4-yl)oxy)-1-oxopropan-2-yl)carbamoyl)benzoate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₇₉ H ₈₂ N ₄ O ₁₈ Si
Batch Molecular Weight:	1403.62
Physical Appearance:	Blue/green solid
Solubility:	DMSO to 20 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 98.8% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

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

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Description:

Taxol Janelia Fluor[®] 646 is a red fluorescent taxol derivative for direct imaging of the microtubule cytoskeleton. Taxol Janelia Fluor[®] 646 is fluorogenic: fluoresces only once bound to microtubules, enabling hassle-free no-wash experiments. Excitation maximum = 655 nm; emission maximum = 671 nm. For more information on how Taxol-Janelia Fluor[®] 646 may be used, see our protocol.

Physical and Chemical Properties:

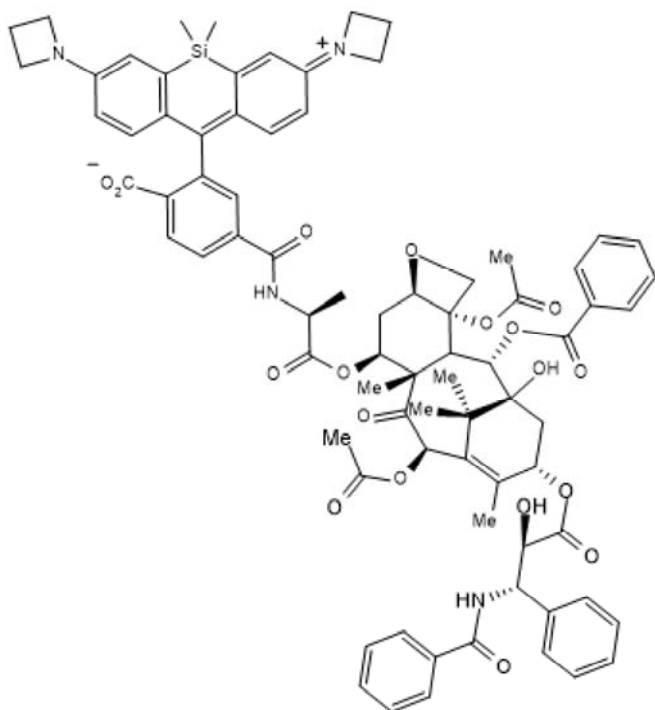
Batch Molecular Formula: C₇₉H₈₂N₄O₁₈Si

Batch Molecular Weight: 1403.62

Physical Appearance: Blue/green solid

Minimum Purity: ≥98%

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 20 mM

This product is supplied as a lyophilized solid and may 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. 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.

Licensing Information:

Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus

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