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TOCRIS

Print Date: Jan 15th 2026

Certificate of Analysis

www.tocris.com

Product Name: **Janelia Fluor® 525, BromoCatch™ Ligand** **Catalog No.: 8997** **Batch No.: 1**

IUPAC Name: 4-(((*R*)-14-((*S*)-4-(4-Acrylamidophenyl)-2,3,9-trimethyl-6*H*-thieno[3,2-*f*][1,2,4]triazolo[4,3-*a*][1,4]diazepin-6-yl)-13-oxo-3,6,9-trioxa-12-azahexadecyl)carbamoyl)-2-(3-(3,3-difluoroazetidin-1-ium-1-ylidene)-6-(3,3-difluoroazetidin-1-yl)-3*H*-xanthen-9-yl)benzoate

1. PHYSICAL AND CHEMICAL PROPERTIES

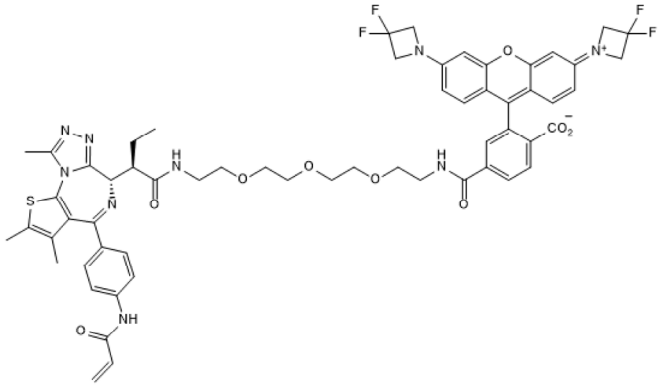
Batch Molecular Formula: $C_{59}H_{59}F_4N_9O_9S$

Batch Molecular Weight: 1146.23

Physical Appearance: Pink solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC:	Shows 90.5% purity at 534 nm
^{1}H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
UV Spectrum:	Consistent with structure
λ_{max}:	535 nm (EtOH + 0.1% TFA)
λ_{ex}:	534 nm (EtOH + 0.1% TFA)
λ_{em}:	556 nm (EtOH + 0.1% TFA)

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Description:

Janelia Fluor® 525, BromoCatch™ Ligand is a fluorogenic BromoCatch™ ligand functionalized with Janelia Fluor® 525, designed for real-time, no-wash imaging of BromoCatch-tagged proteins in live cells. Upon covalent binding to the BromoCatch™ tag, this probe undergoes a fluorescence switch-on due to the environmental sensitivity of the Janelia Fluor® 525 dye, delivering bright signal with minimal background fluorescence. Compatible with super-resolution imaging and suitable for dynamic cellular studies, Janelia Fluor® 525, BromoCatch™ Ligand offers a powerful tool for live-cell tracking of BromoCatch-tagg... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

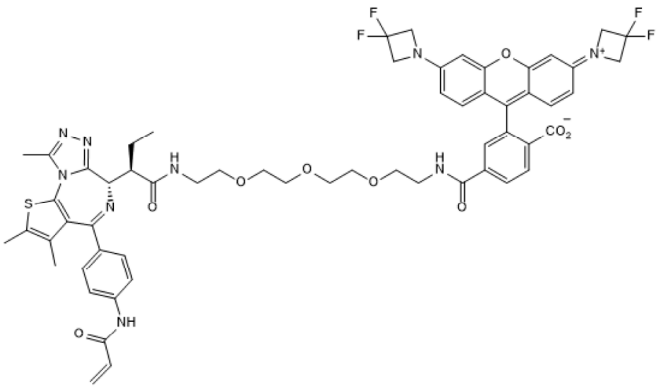
Batch Molecular Formula: $C_{59}H_{59}F_4N_9O_9S$

Batch Molecular Weight: 1146.23

Physical Appearance: Pink 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.

Licensing Information:

Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus and the University of Dundee

References:

Rodriguez-Rios *et al* (2025) BromoCatch: a self-labelling tag platform for protein analysis and live cell imaging. biorxiv.

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