

Janelia Fluor® 646, Azide

Chemical Properties

CAS No. :

Formula: C37H44N6O6Si

Molecular Weight:

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Janelia Fluor 646, Azide (JF646, Azide) is a red-emitting fluorogenic dye with an Azide click chemistry group, ideal for live-cell imaging experiments [1][2].
Targets(IC50)	Others
In vitro	The chemical compound, Janelia Fluor® 646, Azide, exhibits a maximum absorption wavelength (λ_{abs}) of 646 nm and a maximum emission wavelength (λ_{em}) of 664 nm [1]. It contains JF646, which functions as a ligand for self-labeling tags (e.g., HaloTag) [1]. Furthermore, JF646, characterized as a red fluorescent dye, boasts photostability, membrane permeability, and a high extinction coefficient [2].

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