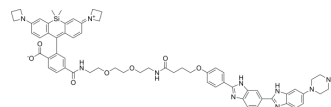


JF646-Hoechst

Cat. No.:	HY-D2267
CAS No.:	2462011-60-3
Molecular Formula:	C ₆₄ H ₇₀ N ₁₀ O ₇ Si
Molecular Weight:	1119.39
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (8.93 mM; Need ultrasonic and warming)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8933 mL	4.4667 mL	8.9334 mL
	5 mM	0.1787 mL	0.8933 mL	1.7867 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

JF646-Hoechst is a fluorescent red DNA probe that is an ideal substitute for large oligonucleotide-coupled antibodies used in PAINT experiments, especially for bacterial studies. JF646-Hoechst excitation/emission maximum =655/670 nm^[1].

REFERENCES

[1]. Spahn CK, et al. A toolbox for multiplexed super-resolution imaging of the E. coli nucleoid and membrane using novel PAINT labels. Sci Rep. 2018 Oct 3;8(1):14768.

Caution: Product has not been fully validated for medical applications. For research use only.

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