



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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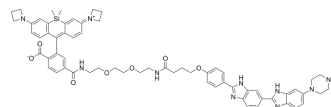
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## JF646-Hoechst

Cat. No.:	HY-D2267
CAS No.:	2462011-60-3
Molecular Formula:	C <sub>64</sub> H <sub>70</sub> N <sub>10</sub> O <sub>7</sub> 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<sup>[1]</sup>.

### 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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