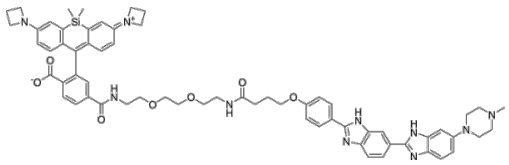
Product Data Sheet

Product Name: JF646-Hoechst
Cat. No.: GC71800

Chemical Properties

Cas. No.	2462011-60-3		
Formula	$C_{64}H_{70}N_{10}O_7Si$	M.Wt	1119.39
Solubility	DMSO : 10 mg/mL (8.93 mM; Need ultrasonic and warming; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)	Storage	-20°C, protect from light, stored under nitrogen
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

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.

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