

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6210	
Compound name	Oxazole yellow iodide	
Chemical name	4-[[3-Methyl-2(3H)-benzoxazolylidene)methyl]-1-[3-(trimethylammonio)propyl]-quinolinium diiodide	
Batch number	E0801-24-4	
Batch molecular formula	C ₂₄ H ₂₉ I ₂ N ₃ O · 1.5H ₂ O	
Batch molecular weight	656.34	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.7%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	Orange to yellow solid	Meets specification: Yellow solid
Solubility	Soluble in water (1 mg/ml), and in DMSO (1 mg/ml)	Meets specification

Produced by

Signature

Passed by

Signature

Date

18/09/2019

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.