

CERTIFICATE OF ANALYSIS

Product Description X-GLUC, MONOCYCLOHEXYL AMMONIUM SALT
5-BROMO-4-CHLORO-3-INDOLYL- β -D-GLUCURONIC ACID,
MONOCYCLOHEXYL AMMONIUM SALT

Product Number X877

Lot Number 15B0877037

Storage Temperature -20-0 °C

Molecular Weight 521.8

Formula $C_{20}H_{26}BrClN_2O_7$

CAS Number 114162-64-0

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---------------------------------|------------------------------|----------------------------|
| Solubility | Soluble in DMSO @ 10 mg/mL | Passes |
| Physical Appearance | | |
| Color* | PM-1 to PM-4 | PM-4 White |
| Texture | Fine Powder, may form clumps | Fine Powder, formed clumps |
| Solution Appearance | | |
| Clarity | Clear | Clear |
| Color | Colorless | Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Minimum 98.0% | 100% |
| Water Content (by Karl Fischer) | For Information Only | 1.1% |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

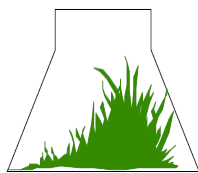
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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Recommended Shelf Life Date: February 2018



Gary Seckinger, Ph.D.



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