

CERTIFICATE OF ANALYSIS

Product Description X-GAL
Product Number X874
Lot Number 08M87406
Storage Temperature -20-0°C
Molecular Weight 408.63
Formula $C_{14}H_{15}BrClNO_6$
CAS Number 7240-90-6

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 10 mg/mL	Passes
Physical Appearance Color* Texture	RM-1 to RM-3, RM-31 Fine Powder, may form clumps	RM-31 White Fine Powder with Clumps
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity by HPLC	Minimum 99.0%	> 99.0%
Identity by 1H -NMR	Conforms to Structure	Passes
Water Content by Karl Fischer	For Information Only	0.3%

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

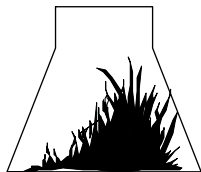
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Recommended Shelf Life Date: December 2013



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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