

# Certificate of Analysis



## Product Identification

**Catalog number** HB6110  
**Compound name** Fluorescently labeled Muscimol TMR-X conj  
**Chemical name** Fluorescently labeled Muscimol TMR-X conjugate

**Batch number** E1141-1-1  
**Batch molecular formula**  $C_{31}H_{36}BF_2N_5O_5$   
**Batch molecular weight** 607.46

## Chemical Structure

## Method

## QC requirement

## QC Result

<b>HPLC</b> <b>UV/Vis absorption</b>	Reverse Phase HPLC shows >9% purity Absorbance in the range 541-547 nm	Meets specification: 98% Meets specification: 544 nm
<b>Extinction coefficient</b>	Greater than $64000 \text{ cm}^{-1}\text{M}^{-1}$	Meets specification: $66200 \text{ cm}^{-1}\text{M}^{-1}$
<b>TLC</b>	TLC analysis in 10% MeOH/ $\text{CHCl}_3$ shows one spot under vis	Meets specification
<b>Physical appearance</b>	Purple solid	Meets specification: Purple solid
<b>Solubility</b>	Soluble in DMSO	Meets specification

Produced by

Signature

Passed by

Signature

Date

09-07-20

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