

# Certificate of Analysis

**Product Name :** DREADD Agonist 21 dihydrochloride ≥98% (HPLC)  
**Product Number :** SML2392-25MG  
**Batch Number :** 0000054486  
**Source Batch :** 0000045839  
**CAS Number :** 56296-18-5 (free base)  
**Storage Temperature :** Freezer -20°C  
**Molecular Formula :** C<sub>17</sub>H<sub>18</sub>N<sub>4</sub> · 2HCl  
**Formula Weight :** 351.27  
**Quality Release Date :** 20 Dec 2018

Test	Specification	Result
Appearance (Color)	Yellow to Orange to Brown	Orange
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Conforms to Requirements	Yellow
Concentration	≥ 2.0 mg/ml	52.0 mg/ml
H2O		
Purity (HPLC)	≥ 97.5 %	98.8 %
Identity	Confirmed	Confirmed
Water Content	0.0 - 4.0 mol	1.9 mol
Salt Content	1.8 - 2.2 mol	2.0 mol
Elemental Composition	Pass	Pass



Brendan Nye, QC Supervisor  
Quality Control  
Natick, Massachusetts  
US