

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB8620	 $C_{16}H_{19}N_3O_6$
<b>Compound name</b>	uPSEM 817 tartrate	
<b>Chemical name</b>	2-Propoxy-7,8,9,10-tetrahydro-6H-6,10-methanoazepino[4,5-g]quinoxaline L-tartrate	
<b>Batch number</b>	E1109-6-3	
<b>Batch molecular formula</b>	$C_{16}H_{19}N_3O_6 \cdot C_4H_6O_6 \cdot 1H_2O$	
<b>Batch molecular weight</b>	437.45	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 99.4%
<b>NMR</b>	$^1H$ NMR in $D_2O$ at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 20% (10% $NEt_3$ /MeOH)/EtOAc shows one spot under ninhydrin	Meets specification: $R_f=0.15$
<b>Physical appearance</b>	White to pale yellow solid	Meets specification: White solid
<b>Solubility</b>	Soluble in water (50 mM) and in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

07-02-20

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