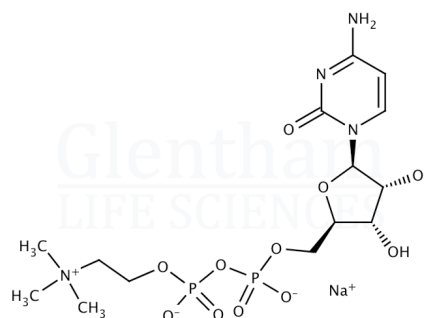


Certificate of Analysis

Product Name	Citicoline sodium salt
Glentham Code	GP4568
CAS Number	33818-15-4
EINECS	251-689-1
MDL Number	MFCD00150508
PubChem SID	310270356
Batch Number	893ZST
Molecular Weight	511.31 (anhydrous)
Molecular Formula	$C_{14}H_{25}N_4NaO_{11}P_2 \cdot xH_2O$
Storage Temp.	-20°C



Property	Specification	Batch 893ZST
Physical Description	White to almost white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Conforms
Water	≤ 6.0%	3.1%
Assay	≥ 98.0% (anhydrous basis)	99.46%

Specification Version	v1.0
Manufacture Date	2017-11-11
Re-Test Date	2029-01-12

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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