





# Certificate of Analysis

Product Name	Spermine tetrahydrochloride
Catalog No.	V15128
Batch No.	V1512801

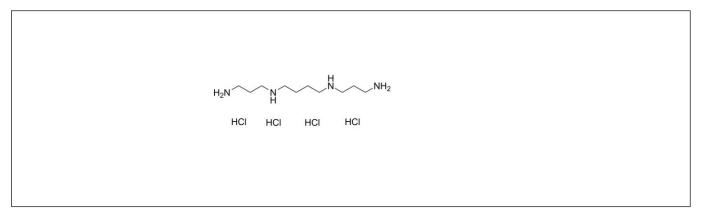
## **1. Physical and Chemical Properties**

Appearance	Powder
Molecular Formula	C10H30Cl4N4
Molecular Weight	348.178
Purity	≥98.0%
CAS No.	306-67-2

### 2. Analytical Data

HPLC	Indicates ≥98.0% purity
NMR	Consistent with structure
Mass Spectrum	Consistent with structure

#### 3. Structure



## 4. Storage Condition

Short term storage (weeks)	0 - 4 °C under dry condition
Long term storage (months)	-20 °C under dry condition

Products are for research use only • Not for human or veterinary use

InvivoChem LLC Fax: +1 708 557-7486 http://invivochem.com/

Email: info@invivochem.com