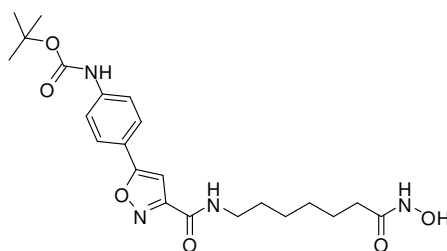




## Certificate of Analysis

**Axon Catalogue ID:** 1645 **Batch Number:** 1  
**Product Name:** HDAC6 inhibitor ISOX  
**Alternative Name(s):** ISOX  
**IUPAC Name:** tert-Butyl 4-(3-(7-(hydroxyamino)-7-oxoheptylcarbonyl)isoxazol-5-yl)phenylcarbamate

**Structure:**



**Amount:**

**CAS number:** 1045792-66-2  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>30</sub>N<sub>4</sub>O<sub>6</sub> **Batch MW:** 446.50  
**Appearance:** Orange solid **Observed mp:** >170 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.55 DCM/MeOH (9:1)  
**Chemical Purity:** 98.8%  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 59.18 , H 6.77 , N 12.55 Found: C ND , H ND , N ND  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.0	89.6	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 11-03-2011

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**