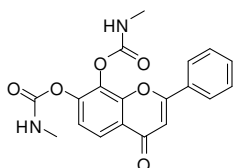




## Certificate of Analysis

**Axon Catalogue ID:** 3775 **Batch Number:** 1  
**Product Name:** TrkB agonist prodrug R13  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-Oxo-2-phenyl-4H-chromene-7,8-diyl bis(methylcarbamate)

**Structure:**



**Amount:**

**CAS number(s):** 1609067-49-3  
**Molecular Formula:** C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub> **Molecular Weight:** 368.34  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub> **Batch Molecular Weight:** 368.34  
**Appearance:** White solid **Observed mp:** 207 - 209 °C  
**TLC (R<sub>f</sub>):** 0.4 EtOAc (100%)  
**Chemical Purity:** 99.2%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 61.96, H 4.38, N 7.61; Found: C 61.61, H 4.35, N 7.50  
**Storage Conditions:** Desiccate at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	32.0	86.9	
	EtOH			Not Tested

**Remarks:** Suspected to be unstable in solution. It is recommended to prepare fresh solutions for your experiments.

**QC Date:** 29-3-2023

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**