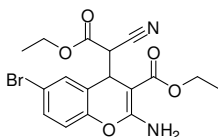




## Certificate of Analysis

**Axon Catalogue ID:** 2007 **Batch Number:** 1  
**Product Name:** HA 14-1  
**Alternative Name(s):** N.A.  
**IUPAC Name:** Ethyl 2-amino-6-bromo-4-(1-cyano-2-ethoxy-2-oxoethyl)-4H-chromene-3-carboxylate

**Structure:**



**Amount:**

**CAS number(s):** 65673-63-4  
**Molecular Formula:** C<sub>17</sub>H<sub>17</sub>BrN<sub>2</sub>O<sub>5</sub> **Molecular Weight:** 409.23  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>17</sub>BrN<sub>2</sub>O<sub>5</sub> **Batch Molecular Weight:** 409.23  
**Appearance:** White solid **Observed mp:** 108 - 110 °C  
**TLC (R<sub>f</sub>):** 0.8 Pet.Ether/EtOAc (1:1)  
**Chemical Purity:** 98.0%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 49.89, H 4.19, N 6.84; Found: C 49.85, H 4.12, N 6.63  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.9	>100 mM	
	EtOH	26.8	65.5	

**Remarks:**

**QC Date:** 19-8-2021

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**