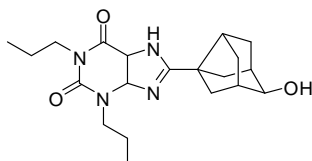




## Certificate of Analysis

**Axon Catalogue ID:** 1851 **Batch Number:** 1  
**Product Name:** Rolofylline metabolite M1-trans  
**Alternative Name(s):** Compound 3  
**IUPAC Name:** 8-(Hexahydro-7-hydroxy-2,5-methanopentalen-3a(1H)-yl)-3,9-dihydro-1,3-dipropyl-1H-Purine-2,6-dione

**Structure:**



**Amount:**

**CAS number:** 160943-06-6  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>28</sub>N<sub>4</sub>O<sub>3</sub> **Batch MW:** 372.46  
**Appearance:** White Solid **Observed m.p.:** 226.2-227.3°C  
**TLC (R<sub>f</sub>):** 0.5 19:1 DCM/Methanol  
**Chemical Purity:** >99.5% **Wavelength for purity check:** 278 nm  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Not available  
**Storage Conditions:** Desiccate at <4°C  
**Solubility Data:**

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Insoluble
1eq. NaOH			Not tested
1eq. HCl			Not tested
DMSO	20.00	53.70	Soluble
EtOH			Soluble

**Remarks:**

**Quality controller:** M. Brandsma, MSc. **Date:** 18-4-2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

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