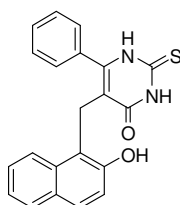




Certificate of Analysis

Axon Catalogue ID: 2803 **Batch Number:** 1
Product Name: Cambinol
Alternative Name(s): NSC 112546
IUPAC Name: 5-((2-Hydroxynaphthalen-1-yl)methyl)-6-phenyl-2-thioxo-2,3-dihydropyrimidin-4(1H)-one

Structure:



Amount:

CAS number(s): 14513-15-6
Molecular Formula: C₂₁H₁₆N₂O₂S **Molecular Weight:** 360.43
Batch Molecular Formula: C₂₁H₁₆N₂O₂S **Batch Molecular Weight:** 360.43
Appearance: White solid **Observed mp:** 257 - 260 °C
TLC (R_f): 0.63 DCM/MeOH (20:1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.98, H 4.47, N 7.77; Found: C 69.99, H 4.43, N 7.79
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	36.0	>100 mM	
	EtOH			Not Tested

Remarks: Electrostatic

QC Date: 21-12-2017

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only