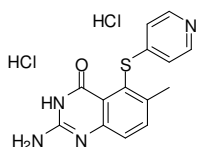




Certificate of Analysis

Axon Catalogue ID: 2853 **Batch Number:** 2
Product Name: Nolatrexed dihydrochloride
Alternative Name(s): AG 337; Thymitaq
IUPAC Name: 2-Amino-6-methyl-5-(pyridin-4-ylthio)quinazolin-4(3H)-one dihydrochloride

Structure:



Amount:

CAS number(s): 147149-76-6 (parent), 152946-68-4 (HCl (1:2))
Molecular Formula: C₁₄H₁₂N₄O₂.2HCl **Molecular Weight:** 357.26
Batch Molecular Formula: C₁₄H₁₂N₄O₂.2HCl.1.5H₂O **Batch Molecular Weight:** 384.28
Appearance: White solid **Observed mp:** 290 °C (decomp)
TLC (R_f): 0.4 DCM/MeOH/NH₃ (4:1:0.1)
Chemical Purity: 99.9%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 43.76, H 4.46, N 14.58; Found: C 43.80, H 4.34, N 14.62
Storage Conditions: Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	32.0	83.3	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	8.0	20.8	
EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 26-1-2023

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only