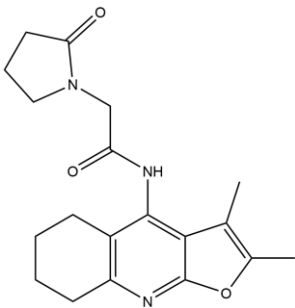


Certificate of Analysis

Product Name:	Lot#:	NuMega Reference #:
Coluracetam	200922	2209EURO.764D

Chemical Name	
<i>N</i> -(2,3-dimethyl-5,6,7,8-tetrahydrofuro[2,3-b]quinolin-4-yl)-2-(2-oxopyrrolidin-1-yl)acetamide	
Chemical Structure	Theoretical Analysis
	Name: Coluracetam Lot #: 200922 Chemical Formula: C ₁₉ H ₂₃ N ₃ O ₃ Exact Mass: 341.1739 Molecular Weight: 341.411

	Specifications/ Results
Appearance	White solid
Structure	H-1 NMR spectra is consistent with the structure.
Solubility	Dimethyl Sulfoxide
Conclusion	The NMR analysis of the sample is consistent with the structure of Coluracetam.

Certified by: Ben Shen
Ben Shen, Ph.D.

Date: 11-23-22