

Rexar Technical Compound Datasheet

Product Name: Coluracetam

Chemical Name: 2-(2-oxopyrrolidin-1-yl)-N-(2,3-dimethyl-5,6,7,8-tetrahydrofuro[2,3-b]quinolin-4-yl)acetamide

CAS Number: 135463-81-9

PubChem CID: 214346

Synonyms:

- Coluracetam
 - MKC-231
 - BCI-540
 - 2-(2-oxopyrrolidin-1-yl)-N-(2,3-dimethyl-5,6,7,8-tetrahydrofuro[2,3-b]quinolin-4-yl)acetamide
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Chemical Information

Molecular Formula C₁₉H₂₃N₃O₃

Molecular Weight 341.41 g/mol

IUPAC Name 2-(2-oxopyrrolidin-1-yl)-N-(2,3-dimethyl-5,6,7,8-tetrahydrofuro[2,3-b]quinolin-4-yl)acetamide

SMILES CC1=C2C=CC3=C(C2=NC=C1)OC(CC3)NC(=O)CN4CCCC4=O

InChIKey YUDHFLQKPFYFJQ-UHFFFAOYSA-N

Appearance White to off-white crystalline powder

Solubility Soluble in ethanol and DMSO; limited solubility in water

Applications

- Analytical reference material for racetam-type compounds
 - Chromatographic and spectrometric method development (e.g. HPLC, LC-MS)
 - Physicochemical property testing and structural verification
 - Laboratory investigation of substituted pyrrolidone derivatives*
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Storage & Handling

Storage Temperature Store in a cool, dry, dark place at 2–8 °C

Handling Handle in accordance with laboratory safety protocols

Packaging Supplied in sealed, research-grade containers

Additional Notes

- This compound is offered solely for scientific and technical research
- Not intended for human or veterinary use
- See full compound data at PubChem CID 214346