

Rexar Technical Compound Datasheet

Product Name: IDRA-21

Chemical Name: 7-Chloro-3-methyl-3,4-dihydro-2H-1,2,4-benzothiadiazine 1,1-dioxide

CAS Number: 22503-72-6

PubChem CID: [3688](#)

Synonyms:

- IDRA 21
- 7-Chloro-3-methyl-1,2,4-benzothiadiazine 1,1-dioxide
- IDRA-21 hydrochloride (when in HCl salt form)

Chemical Information

Molecular Formula C₈H₈ClNO₂S

Molecular Weight 217.67 g/mol

IUPAC Name 7-chloro-3-methyl-3,4-dihydro-2H-1,2,4-benzothiadiazine 1,1-dioxide

SMILES CC1CC2=C(NN=S2(=O)=O)C=C(C=C1)Cl

InChIKey SEDXZFYIYNSNJW-UHFFFAOYSA-N

Appearance Pale crystalline or off-white powder (batch-dependent)

Solubility Slightly soluble in organic solvents; limited in water

Applications

- Analytical reference for benzothiadiazine derivatives
- Method development and reference assays
- Structural analysis and spectral studies under controlled lab conditions

Storage & Handling

Storage Temperature 15–25 °C

Environment Store in a dry, dark, and cool place

Handling Follow standard laboratory safety protocols

Packaging Sealed lab-grade container with inert conditions

Additional Notes

- Supplied without clinical, diagnostic, or therapeutic claims
- Not intended for use in food, drugs, or personal care formulations
- For compound-specific spectra and properties, refer to: [PubChem CID 3688](#)