

## 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)

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## Chemical Information

**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>ClNO<sub>2</sub>S

**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:** SEDXZFYIYNSNFW-UHFFFAOYSA-N

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

**Solubility:** Slightly soluble in organic solvents; limited in water

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## Applications

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

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## 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

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## 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](#)