

## Rexar Technical Compound Datasheet

**Product Name:** GTS-21

**Chemical Name:** 3-(2,4-Dimethoxybenzylidene)anabaseine

**CAS Number:** 148372-04-7

**PubChem CID:** 5310985

### Synonyms:

- DMXB-A
  - GTS-21 dihydrochloride (related form)
  - 3-(2,4-Dimethoxybenzylidene)anabaseine
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### Chemical Information

- Molecular Formula: C<sub>16</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>
  - Molecular Weight: 288.34 g/mol
  - IUPAC Name: 3-[(2,4-dimethoxyphenyl)methylidene]-1,2,5,6-tetrahydropyridine
  - SMILES: COc1ccc(OC)c(c1)/C=C2\NCCC=C2
  - InChIKey: YFJYVZVXKZVZGF-UHFFFAOYSA-N
  - Appearance: Off-white to pale yellow powder
  - Solubility: Soluble in organic solvents such as DMSO
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### Applications

- Analytical reference for nicotinic receptor ligands
  - Method development and comparative compound analysis
  - Structural verification and material characterization in non-biological settings
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### Storage & Handling

- Storage Temperature: 15–25 °C
  - Environment: Dry, cool, and protected from light
  - Handling: Use standard laboratory safety protocols
  - Packaging: Supplied in sealed laboratory containers
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### Additional Notes

- Provided without functional or biological claims
- Intended exclusively for analytical, chemical, and technical applications
- For structure and reference data, see: PubChem CID 5310985