



Product Information

Oxidative phosphorylation inhibitor, Imeglimin, Purity $\geq 98\%$

Cat. No.: X24-09-YM581

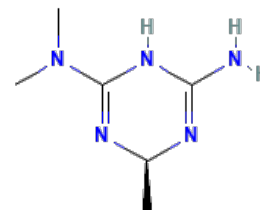
Size: 5 mg; 10 mg; 20 mg; 50 mg

CAS Number: 775351-65-0

Compound CID: 24812808

Synonym: 775351-65-0; EMD 387008; EMD387008; EMD-387008;

(4*R*)-6-*N*,6-*N*,4-Trimethyl-1,4-dihydro-1,3,5-triazine-2,6-diamine; Oxidative phosphorylation inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Imeglimin is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting oxidative phosphorylation. The molecular weight of the compound is 155.2, and its molecular formula is C ₆ H ₁₃ N ₅ .
Molecular Weight	155.2
Molecular Formula	C ₆ H ₁₃ N ₅
IUPAC Name	(4 <i>R</i>)-6- <i>N</i> ,6- <i>N</i> ,4-Trimethyl-1,4-dihydro-1,3,5-triazine-2,6-diamine
InChI	InChI=1S/C6H13N5/c1-4-8-5(7)10-6(9-4)11(2)3/h4H,1-3H3,(H3,7,8,9,10)/t4-/m1/s1
InChI Key	GFICWFZTBXUVIG-SCSAIBSYSA-N
Canonical SMILES	CC1N=C(NC(=N1)N(C)C)N
Isomeric SMILES	C1=CC=C2C(=C1)C=CC(=N2)/C=C/C(=O)C3=CC=NC=C3
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Imeglimin can be studied extensively for its potential therapeutic applications in the treatment of type 2 diabetes, offering a novel mechanism distinct from traditional therapies like metformin and sulfonylureas.
Storage	Store at -20°C, and keep desiccated.



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