

Product Information

DMT1 blocker 1, Purity ≥98%

Cat. No.: X24-09-YM1441

Size: 1 mg; 5 mg; 10 mg; 20 mg

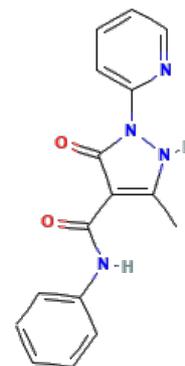
CAS Number: 1354790-56-9

Compound CID: 25098135

Synonym: 1354790-56-9; AKOS040732998; MS-24211; HY-126301; CS-0101639;

G16907; 5-Methyl-3-oxo-N-phenyl-2-pyridin-2-yl-1H-pyrazole-4-carboxamide

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



Product Information

Description	DMT1 blocker 1 is a blocker of divalent metal transporter 1 (DMT1). The molecular weight of the compound is 294.31, and its molecular formula is C ₁₆ H ₁₄ N ₄ O ₂ .
Molecular Weight	294.31
Molecular Formula	C ₁₆ H ₁₄ N ₄ O ₂
IUPAC Name	5-Methyl-3-oxo-N-phenyl-2-pyridin-2-yl-1H-pyrazole-4-carboxamide
InChI	InChI=1S/C16H14N4O2/c1-11-14(15(21)18-12-7-3-2-4-8-12)16(22)20(19-11)13-9-5-6-10-17-13/h2-10,19H,1H3,(H,18,21)
InChI Key	QJEBTCLOCMTSJU-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C(=O)N(N1)C2=CC=CC=N2)C(=O)NC3=CC=CC=C3
Isomeric SMILES	B1([C@H](CC[C@H](O1)CC(=O)O)NC(=O)CC2=CC=CS2)O
Form	Lyophilized powder
Purity	≥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	DMT1 blocker 1 plays a key role in alleviating toxic effects related to metal accumulation.
Storage	Store at -20°C, and keep desiccated.