



Product Information

Hydroxylase inhibitor, Enarodustat, Purity $\geq 98\%$

Cat. No.: X24-09-YM126

Size: 5 mg; 10 mg; 50 mg; 100 mg

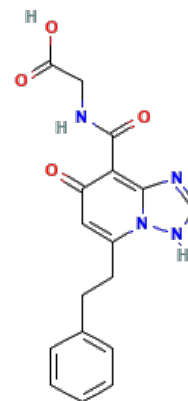
CAS Number: 1262132-81-9

Compound CID: 50899324

Synonym: 1262132-81-9; JTZ-951; JTZ 951; JTZ951;

2-[[7-Oxo-5-(2-phenylethyl)-3H-[1,2,4]triazolo[1,5-a]pyridine-8-carbonyl]amino]acetic acid; Hydroxylase inhibitor

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



Product Information

Description	Enarodustat, soluble in DMSO and ethanol and insoluble in water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting hydroxylases. The molecular weight of the compound is 340.33, and its molecular formula is $C_{17}H_{16}N_4O_4$.
Molecular Weight	340.33
Molecular Formula	$C_{17}H_{16}N_4O_4$
IUPAC Name	2-[[7-Oxo-5-(2-phenylethyl)-3H-[1,2,4]triazolo[1,5-a]pyridine-8-carbonyl]amino]acetic acid
InChI	InChI=1S/C17H16N4O4/c22-13-8-12(7-6-11-4-2-1-3-5-11)21-16(19-10-20-21)15(13)17(25)18-9-14(23)24/h1-5,8,10H,6-7,9H2,(H,18,25)(H,19,20)(H,23,24)
InChI Key	FJYRBJKWDXVHHO-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC=C(C=C1)CCC2=CC(=O)C(=C3N2NC=N3)C(=O)NCC(=O)O</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 67 mg/mL (196.86 mM); Water: insoluble; Ethanol: 2 mg/mL (5.87 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Enarodustat can be studied extensively for its potential therapeutic applications in the treatment of anemia, particularly in chronic kidney disease, by stimulating erythropoiesis and improving hemoglobin levels.



Storage

Store at -20°C, and keep desiccated.
