

Product Information

Aldose reductase inhibitor Fidarestat, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ725

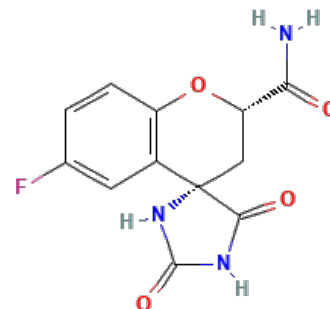
Size: 1 mg; 5 mg; 10 mg; 25 mg

CAS Number: 136087-85-9

Compound CID: 160024

Synonym: 136087-85-9; Aldose reductase inhibitor; SNK 860; SNK-860

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



Product Information

Description	Fidarestat inhibits the enzyme aldose reductase, which plays a role in glucose metabolism.
Molecular Weight	279.22
Molecular Formula	C ₁₂ H ₁₀ FN ₃ O ₄
IUPAC Name	(2S,4S)-6-fluoro-2',5'-dioxospiro[2,3-dihydrochromene-4,4'-imidazolidine]-2-carboxamide
InChI	InChI=1S/C12H10FN3O4/c13-5-1-2-7-6(3-5)12(4-8(20-7)9(14)17)10(18)15-11(19)16-12/h1-3,8H,4H2,(H2,14,17)(H2,15,16,18,19)/t8-,12-/m0/s1
InChI Key	WAAPEIZFCHNLKK-UFBFGSQYSA-N
Canonical SMILES	C1C(OC2=C(C13C(=O)NC(=O)N3)C=C(C=C2)F)C(=O)N
Isomeric SMILES	C1[C@H](OC2=C([C@]13C(=O)NC(=O)N3)C=C(C=C2)F)C(=O)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Fidarestat is applied for its inhibition of aldose reductase, playing a role in diabetes-related research.
Storage	Store at -20°C, and keep desiccated.