



Product Information

Integrin inhibitor, Leukadherin 1, Purity $\geq 98\%$

Cat. No.: X24-08-YM288

Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 344897-95-6

Compound CID: 5342077

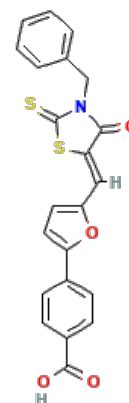
Synonym: 344897-95-6; Leukadherin-1; (Z)-Leukadherin-1; ADH503 free acid;

GB-1275 free acid;

4-[5-[(Z)-(3-Benzyl-4-oxo

-2-sulfanylidene-1,3-thiazolidin-5-ylidene)methyl]furan-2-yl]benzoic acid

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



Product Information

Description	Leukadherin 1, soluble in DMSO and insoluble in water and ethanol, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting integrin.
Molecular Weight	423.5
Molecular Formula	C ₂₂ H ₁₇ NO ₄ S ₂
IUPAC Name	4-[5-[(Z)-(3-Benzyl-4-oxo-2-sulfanylidene-1,3-thiazolidin-5-ylidene)methyl]furan-2-yl]benzoic acid
InChI	InChI=1S/C22H15NO4S2/c24-20-19(29-22(28)23(20)13-14-4-2-1-3-5-14)12-17-10-11-18(27-17)15-6-8-16(9-7-15)21(25)26/h1-12H,13H2,(H,25,26)/b19-12-
InChI Key	AEZGRQSLKVNPCI-UNOMPAQXSA-N
Canonical SMILES	C1=CC=C(C=C1)CN2C(=O)C(=CC3=CC=C(O3)C4=CC=C(C=C4)C(=O)O)SC2=S
Isomeric SMILES	C1=CC=C(C=C1)CN2C(=O)/C(=C/C3=CC=C(O3)C4=CC=C(C=C4)C(=O)O)/SC2=S
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 13 mg/mL (30.84 mM); Water: insoluble; Ethanol: insoluble
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Leukadherin 1 is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of chronic inflammatory diseases and autoimmune disorders by interfering with integrin-mediated cell adhesion.



Storage

Store at -20°C, and keep desiccated.
