



Product Information

Microtubule/Tubulin inhibitor, Tasidotin hydrochloride, Purity $\geq 98\%$

Cat. No.: X24-08-YM265

Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 623174-20-9

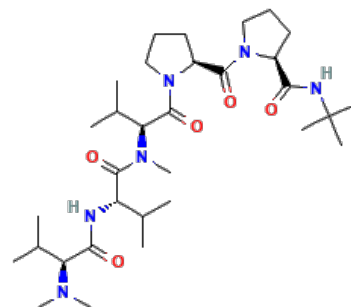
Compound CID: 11479259

Synonym: 623174-20-9; ILX651; ILX-651; ILX 651;

(2S)-N-Tert-butyl-1-[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)

)-2-(dimethylamino)-3-methylbutanoyl]amino]-3-methylbutanoyl]-methylamino]-3-meth

ylbutanoyl]pyrrolidine-2-carbonyl]pyrrolidine-2-carboxamide; hydrochloride



Cl-H

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

Product Information

Description	Tasidotin hydrochloride is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
Molecular Weight	643.3
Molecular Formula	C ₃₂ H ₅₉ ClN ₆ O ₅
IUPAC Name	(2S)-N-Tert-butyl-1-[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-2-(dimethylamino)-3-methylbutanoyl]amino]-3-methylbutanoyl]-methylamino]-3-methylbutanoyl]pyrrolidine-2-carbonyl]pyrrolidine-2-carboxamide; hydrochloride
InChI	InChI=1S/C32H58N6O5.ClH/c1-19(2)24(33-28(40)25(20(3)4)35(10)11)30(42)36(12)26(21(5)6)31(43)38-18-14-16-23(38)29(41)37-17-13-15-22(37)27(39)34-32(7,8)9;/h19-26H,13-18H2,1-12H3,(H,33,40)(H,34,39); 1H/t22-,23-,24-,25-,26-;/m0./s1
InChI Key	OOKIODJYZSVHDO-QMYFOHRPSA-N
Canonical SMILES	CC(C)C(C(=O)N(C)C(C(C)C)C(=O)N1CCCC1C(=O)N2CCCC2C(=O)NC(C)(C)C)NC(=O)C(C(C)C)N(C)C.Cl
Isomeric SMILES	CC(C)[C@@H](C(=O)N(C)[C@@H](C(C)C)C(=O)N1CCC[C@H]1C(=O)N2CCC[C@H]2C(=O)NC(C)(C)C)NC(=O)[C@H](C(C)C)N(C)C.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

Tasidotin hydrochloride is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of various cancers by disrupting microtubule dynamics and cell division.

Storage

Store at -20°C, and keep desiccated.
