



Product Information

Acotiamide hydrochloride trihydrate

Cat. No.: X23-12-YM256

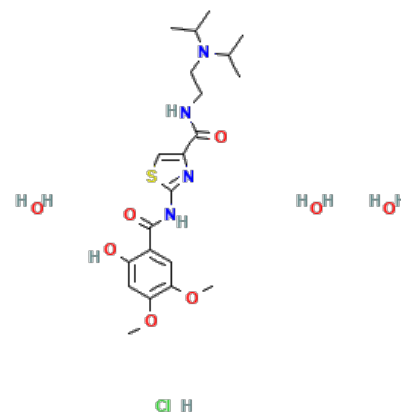
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 773092-05-0

PubChem CID: 6918406

Synonym: 773092-05-0; YM-443; Z-338

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



Product Information

Description	Acotiamide hydrochloride trihydrate, soluble in DMSO, ethanol and water, interferes with or suppresses the transmission of signals between neurons in the nervous system.
Molecular Weight	541.06
Molecular Formula	C ₂₁ H ₃₇ ClN ₄ O ₈ S
IUPAC Name	<i>N</i> -[2-[Di(propan-2-yl)amino]ethyl]-2-[(2-hydroxy-4, 5-dimethoxybenzoyl)amino]-1, 3-thiazole-4-carboxamide;trihydrate;hydrochloride
InChI	InChI=1S/C21H30N4O5S.ClH.3H2O/c1-12(2)25(13(3)4)8-7-22-20(28)15-11-31-21(23-15)24-19(27)14-9-17(29-5)18(30-6)10-16(14)26;;;;/h9-13, 26H, 7-8H2, 1-6H3, (H, 22, 28)(H, 23, 24, 27);1H;3*1H2
InChI Key	NPTDXIXCQCFGKC-UHFFFAOYSA-N
Canonical SMILES	CC(C)N(CCNC(=O)C1=CSC(=N1)NC(=O)C2=CC(=C(C=C2O)OC)OC)C(C)C.O.O.O.Cl
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 98 mg/mL (181.12 mM); Water: 5 mg/mL (9.24 mM); Ethanol: 20 mg/mL
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Acotiamide hydrochloride trihydrate helps regulate gastric motility by inhibiting the breakdown of acetylcholine, a neurotransmitter involved in gastrointestinal functions.
Storage	Store at -20°C, and keep desiccated.