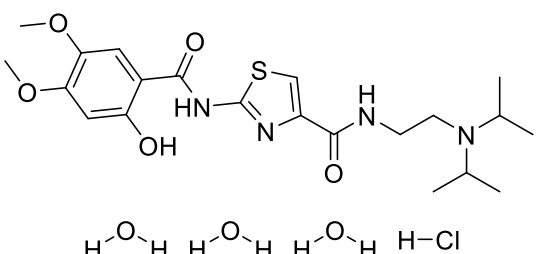




## Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
314263	Acotiamide hydrochloride trihydrate	TZC60412

Chemical name	
N-(2-(diisopropylamino)ethyl)-2-(2-hydroxy-4,5-dimethoxybenzamido)thiazole-4-carboxamide hydrochloride trihydrate.	
Synonyms	
YM-443; YM443; YM443; Z338; Z-338; Z 338; Acotiamide. Acotiamide hydrochloride trihydrate; Brand name: Acofide.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 314263 Name: Acotiamide hydrochloride trihydrate CAS#: 773092-05-0 Lot#: TZC60412 Chemical Formula: C <sub>21</sub> H <sub>37</sub> ClN <sub>4</sub> O <sub>8</sub> S Molecular Weight: 541.06 <i>Acotiamide free base</i> Chemical Formula: C <sub>21</sub> H <sub>30</sub> N <sub>4</sub> O <sub>5</sub> S Exact Mass: 450.19369; Molecular Weight: 450.55

Analysis item	Specification/ Results
Appearance	White to off-white solid powder
Structure	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in Customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**