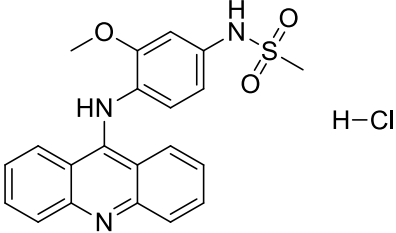




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100057	Amsacrine HCl	YYP30918

Chemical name	
N-(4-(acridin-9-ylamino)-3-methoxyphenyl)methanesulfonamide hydrochloride	
Synonyms	
acridinyl anisidide; Cain's Acridine. US brand name: Amsa P-D. Foreign brand names: Amekrin; Amsidine; Amsidyl; Lamasine. Abbreviations: AMSA; m-AMSA. Code names: CI-880; SN-11841.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100057 Name: Amsacrine HCl CAS#: 54301-15-4 Lot#YYP30918 Chemical Formula: C ₂₁ H ₂₀ ClN ₃ O ₃ S Molecular Weight: 429.92 <i>Amsacrine (free base)</i> Chemical Formula: C ₂₁ H ₁₉ N ₃ O ₃ S Exact Mass: 393.11471 Molecular Weight: 393.46

Analysis item	Specifications / Results
Appearance	Red to brown powder.
Structure	¹ 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: 10 mg/mL with heat and sonication.
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
Shelf life	At least 5 years if properly stored.

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