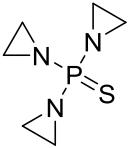




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
100860	Thiotepa	TZC51126

Chemical name	
Tri(aziridin-1-yl)phosphine sulfide	
Synonyms	
Code name: WR 45312; WR45312; WR-45312. Abbreviation: TSPA. Other name: thiophosphamide; thiophosphoramidate; triethylene thiophosphoramidate. US brand names: Girostan; STEPA; TESPAs; Thiofozil; Thioplex; Tifosyl. Foreign brand names: Ledertepa; Onco Tiotepa; Oncotiotepa; Tespamin; Tespamine; Thiotef; Tio-TEF;	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100860 Name: Thiotepa CAS#: 52-24-4 Lot#TZC51126 Chemical Formula: C ₆ H ₁₂ N ₃ PS Exact Mass: 189.04895 Molecular Weight: 189.22

Analysis item	Specifications / Results
Appearance	White solid 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)	>98.0%
Solubility	Soluble in DMSO, not soluble in water
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