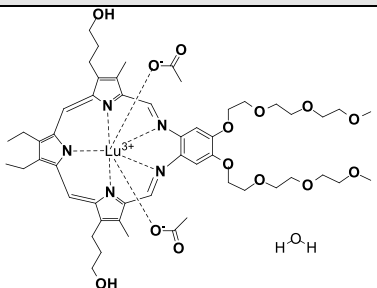


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
201942	Motexafin lutetium hydrate	CQQ9918

Chemical name	
Lutetium, bis(acetato-κO)[9,10-diethyl-20,21-bis[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]-4,15-dimethyl-8,11-imino-3,6:16,13-dinitrilo-1,18-benzodiazacycloeicosine-5,14-dipropanolato-κN1,κN18,κN23,κN24,κN25]-, hydrate, (PB-7-11-233'2'4)-	
Synonyms	
Lu texaphyrin; Lu-TeX; Lutetium texaphyrin; Lutrin; Optrin; PCI0123; PCI 0123; PCI-0123; Brand name: Antrin. Pubchem: CID 9919942	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 201942 Name: Motexafin lutetium hydrate CAS#: 156436-90-7 Lot#: CQQ9918 Chemical Formula: C ₅₂ H ₇₄ LuN ₅ O ₁₅ Molecular Weight: 1166.12

Analysis item	Specifications / Results
Appearance	White to off-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)	>95.0%
Solubility	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
Shelf life	At least 5 years if properly stored.

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