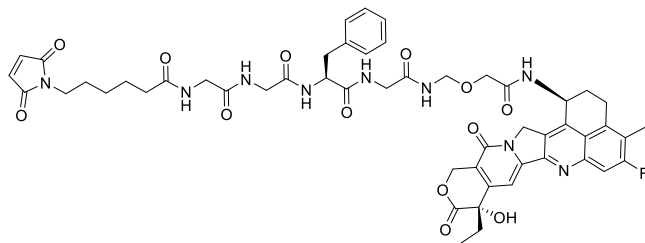


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
207106	Deruxtecan	C22R04B22

Chemical name	
N-((S)-10-benzyl-1-(((1S,9S)-9-ethyl-5-fluoro-9-hydroxy-4-methyl-10,13-dioxo-2,3,9,10,13,15-hexahydro-1H,12H-benzo[de]pyrano[3',4':6,7]indolizino[1,2-b]quinolin-1-yl)amino)-1,6,9,12,15-pentaoxo-3-oxa-5,8,11,14-tetraazahexadecan-16-yl)-6-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)hexanamide	
Synonyms	
Deruxtecan, Trastuzumab deruxtecan; DS-8201a; DS8201a; DS 8201a; exatecan derivative; DX-8951 derivative; DX 8951; DX8951;	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 207106 Name: Deruxtecan CAS#: 1599440-13-7 Lot#: C22R04B22 Chemical Formula: C ₅₂ H ₅₆ FN ₉ O ₁₃ Exact Mass: 1033.3982 Molecular Weight: 1034.0684

Analysis item	Specifications / Results
Appearance	Light green 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%
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 3 years if properly stored.

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