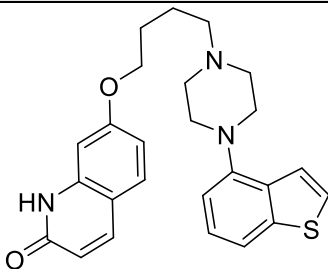




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
317111	Brexpiprazole	BBC70427

Chemical name	
7-(4-(4-(1-benzothiophen-4-yl)piperazin-1-yl)butoxy)quinolin-2(1H)-one	
Synonyms	
OPC-34712; OPC 34712; OPC34712; Brexpiprazole; brand name Rexulti	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 317111 Name: Brexpiprazole CAS#: 913611-97-9 Lot# BBC70427 Chemical Formula: C ₂₅ H ₂₇ N ₃ O ₂ S Exact Mass: 433.1824 Molecular Weight: 433.57

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)	>98.0%
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
Shelf life	At least 5 years if properly stored.

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