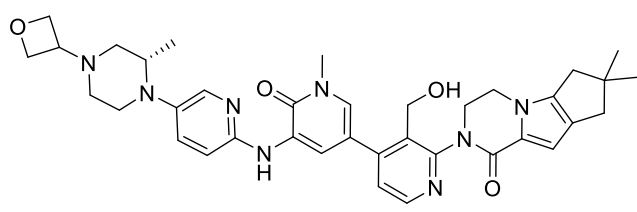


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
206475	Fenebrutinib free base (GDC-0853)	YXM71001

Chemical name	
(S)-2-(3'-(hydroxymethyl)-1-methyl-5-((5-(2-methyl-4-(oxetan-3-yl)piperazin-1-yl)pyridin-2-yl)amino)-6-oxo-1,6-dihydro-[3,4'-bipyridin]-2'-yl)-7,7-dimethyl-3,4,7,8-tetrahydro-2H-cyclopenta[4,5]pyrrolo[1,2-a]pyrazin-1(6H)-one	
Synonyms	
GDC-0853; GDC 0853; GDC0853; RG-7845; RG7845; RG 7845.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 206475 Name: Fenebrutinib free base CAS#: 1434048-34-6 Lot#: YXM71001 Chemical Formula: C ₃₇ H ₄₄ N ₈ O ₄ Exact Mass: 664.3486 Molecular Weight: 664.81

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)	>99.0%
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