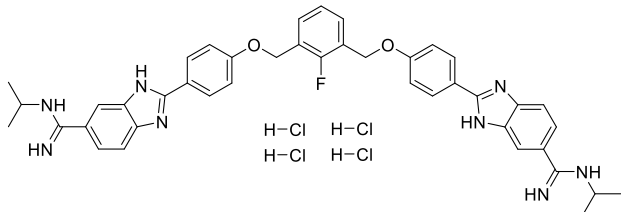




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
563801	DB2313 HCl	T21D06P02

Chemical name	
2,2'-((((2-Fluoro-1,3-phenylene)bis(methylene))bis(oxy))bis(4,1-phenylene))bis(N-isopropyl-1H-benzo[d]imidazole-6-carboximidamide) tetrahydrochloride	
Synonyms	
DB2313 HCl; DB 2313 HCl; DB-2313 HCl; DB2313 tetrahydrochloride	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 563801 Name: DB2313 HCl CAS#: 2170606-75-2 (HCl) Lot#: T21D06P02 Chemical Formula: C ₄₂ H ₄₅ Cl ₄ FN ₈ O ₂ Exact Mass: 852.2404 Molecular Weight: 854.67

Analysis item	Specifications / Results
Appearance	Grey 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 3 years if properly stored.

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