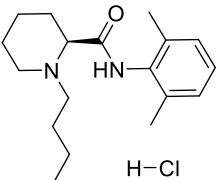


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
318096	Levobupivacaine HCl	TZC60420

Chemical name	
(2S)-1-butyl-N-(2,6-dimethylphenyl)piperidine-2-carboxamide hydrochloride	
Synonyms	
Levobupivacaine, Levobupivacaine HCl; Levobupivacaine hydrochloride; Chirocaine, Novabupi	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 318096 Name: Levobupivacaine HCl CAS#: 27262-48-2 (HCl) Lot#: TZC60420 Chemical Formula: C ₁₈ H ₂₉ ClN ₂ O Molecular Weight: 324.89 Chemical Formula: C ₁₈ H ₂₈ N ₂ O Levobupivacaine free base Exact Mass: 288.2202, Molecular Weight: 288.43

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
Self life	At least 5 years if properly stored.

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