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CERTIFICATE OF ANALYSIS

High Purity Bambuterol Hydrochloride CAS 81732-46-9

Product name: Bambuterol hcl
CAS no. : 81732-46-9
Molecular formula: C₁₆H₁₇N₇O₂S
Molecular weight: 403.90100
Accurate mass: 403.18700
PSA: 91.34000
LogP: 3.42180

Specification

Items	Standards	Results
Appearance	White or off-white solid powder	Complies
Identification	By IR	Complies
	By HPLC	Complies
Solubility	Soluble in DMF, sparingly soluble in THF, slightly soluble in methanol and acetonitrile, very slightly soluble in ethanol and dichloromethane, insoluble in water	Complies
Polymorphic Form	Polymorphic form 1	Complies
Melting Point	211°C~216°C	212.8°C~214.9°C
Water Content	≤ 0.50%	0.10%
Heavy Metals	≤ 20ppm	Complies
Residue on Ignition	≤ 0.20%	0.09%
Related Substance	Any single impurity: ≤0.10%	0.06%
	Total Impurities: ≤1.00%	0.16%
Assay (on the anhydrous basis)	98.0%~102.0%	99.94%
Particle Size	D90: ≤100μm	Complies
Reference Standard	In-house Standard	
Conclusion	The product complied to In-house standard.	
Storage	Preserve in tight,light-resistant containers in a cool place	