

Technical Data Sheet

Sumatriptan succinate

Compound Information

Product Name:	Sumatriptan succinate
CAS No.:	103628-48-4
Molecular Formula:	C ₁₈ H ₂₇ N ₃ O ₆ S
Molecular Weight:	413.48848
Storage:	Store at 2 -8 °C
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Appearance	White or almost white powder
Solubility	H ₂ O: >20mg/mL
Water Content (Karl Fisher)	≤ 1%
pH	4.5 -5.3
UV	Absorbance : ≤0.10
Residual Solvents	Methanol : ≤ 3000 ppm, Isopropyl alcohol : ≤ 5000 ppm, Ethyl acetate : ≤ 5000 ppm, Acetone : ≤ 5000 ppm, Methylene dichloride : ≤ 600 ppm, Benzene : ≤ 2 ppm
Related Substances	Impurity A : ≤ 0.6%, Impurity H : ≤ 0.3%, Impurity B : ≤ 0.5%, Impurity C : ≤ 0.5%, Impurity D : ≤ 0.5%, Impurity E : ≤ 0.15%, Unspecified impurities : ≤ 0.1%, Total impurity : ≤ 0.6%
Sulfated Ash	≤ 0.1%
Purity by HPLC	97.5 - 102.0% (on anhydrous substance)
NMR	Pass test

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