

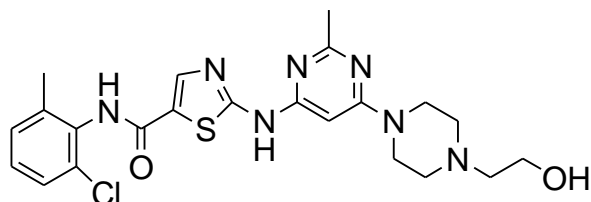


Northeast Business Center

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Certificate of Analysis



Product Name:	Dasatinib (monohydrate)
IUPAC Name	<i>N</i> -(2-chloro-6-methylphenyl)-2-[[[6-[4-(2-hydroxyethyl)-1-piperazinyl]-2-methyl-4-pyrimidinyl]amino]-5-thiazole carboxamide monohydrate
Synonym	Sprycel, BMS-345825
CAS No:	863127-77-9 (monohydrate)
Prod. No:	CT-DS001
Lot No:	DS-1002
Batch Empirical Formula Batch Empirical Wt.	C ₂₂ H ₂₆ ClN ₇ S · H ₂ O 506.02
Solubility	Soluble in DMSO, Alcohol
Storage	Store at 0 - 4 °C, Desiccated

Appearance	White to off-white crystalline powder
Quality Control	¹ HNMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₂₂ H ₂₆ ClN ₇ S · H ₂ O Calculated: C: 52.22% H: 5.58% N: 19.38% Found: C: 52.34% H: 5.66% N: 19.38%
Loss on Drying	< 0.3%
<i>m. p.</i>	ND
Related Impurities	Individual Impurities < 0.5% (HPLC) Total Impurities << 1% (HPLC)
Purity	>99% (HPLC)