

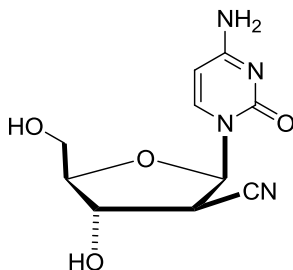


Northeast Business Center

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Certificate of Analysis



Product Name:	CNDAC (DFP-10917), Hydrochloride
Synonym:	DFP-10917, TAS109, DFP10917, TAS-109
IUPAC Name:	(2R,3S,4S,5R)-2-(4-amino-2-oxopyrimidin-1-yl)-4-hydroxy-5-(hydroxymethyl)oxolane-3-carbonitrile hydrochloride
Chemical Name:	4-Amino-1-(2-cyano-2-deoxy-beta-D-arabinofuranosyl)-2(1H)-pyrimidinone monohydrochloride
CAS No:	134665-72-8 135598-68-4 (free base)
Prod. No:	CT-CNDAC
Lot No:	01
Batch Empirical Formula	C ₁₀ H ₁₂ N ₄ O ₄ ·HCl
Batch Empirical Weight	288.7
Solubility	Soluble in DMSO (>28.9mg/ml, >100mM) Water (>14.5mg/ml, >50mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	White crystalline powder
Quality Control	¹ HNMR: [✓] NOESY: [✓] HPLC-MS: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₁₀ H ₁₂ N ₄ O ₄ ·HCl Calculated: C: 41.60% H: 4.54% N: 19.41% Found: C: 41.57% H: 4.53% N: 19.20%
Chemical Purity	>99.5% (achiral HPLC)
Optical Purity (e.e)	100% (chiral HPLC)