

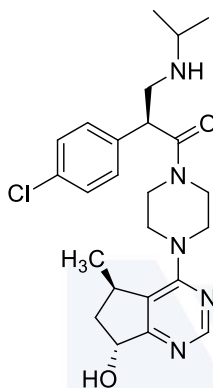


Northeast Business Center

7301 E. 90th Street, Suite 117, Indianapolis, IN 46256, USA

Phone: 317.598.0828 Fax: 317.598.0835 www.chemietek.com

Certificate of Analysis



Product Name:	GDC-0068 (HCl salt)
Synonym:	Ipatasertib, RG7440
CAS No:	1001264-89-6
Prod. No:	CT-G0068
Lot No:	01
Batch Empirical Formula Batch Empirical. Wt.	C ₂₄ H ₃₂ ClN ₅ O ₂ ·1.6HCl 520.0
Solubility:	Soluble in DMSO
Storage:	Store at 0 – 4 °C (short term), -20 °C (long term), desiccated

Appearance	Off-white powder with light tan tint
Quality Control	MS: [✓] ¹ HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C₂₄H₃₂ClN₅O₂·1.6HCl Calculated: C: 55.83%; H: 6.56%; N: 13.56% Found: C: 56.63%; H: 6.45%; N: 13.36%
Chemical Purity	>99% (HPLC)
Stereomeric Purity	>99% (Chiral HPLC)