

PRODUCT: Ribociclib (LEE011)**ALTERNATE NAME:** 7-cyclopentyl-N,N-dimethyl-2-((5-(piperazin-1-yl)pyridin-2-yl)amino)-7H-pyrrolo[2,3-d]pyrimidine-6-carboxamide**CATALOG #:** 9481-5, 25**AMOUNT:** 5 mg, 25 mg**MOLECULAR FORMULA:** C₂₃H₃₀N₈O**MOLECULAR WEIGHT:** 434.54**CAS NUMBER:** 1211441-98-3**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Ribociclib is a potent cyclin-dependent kinase (CDK) inhibitor targeting cyclin D1/CDK4 and cyclin D3/CDK6 cell cycle pathway, with potential antineoplastic activity. LEE011 has been shown to reduce proliferation in 12 of 17 human neuroblastoma-derived cell lines by inducing cytostasis (mean IC₅₀ = 306 nM in sensitive lines).**REFERENCES:** Dickson, M.A. (2014). *Clin. Cancer Res.* **20**, 3379-3383.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Alsterpaullone (Cat. No. 1897-1,5)
 AT-7519 hydrochloride (Cat. No. 2816-5, 25)
 Butyrolactone I (Cat. No. 1690-200)
 Doramapimod (Cat. No. 1954-5, 25)
 Flavopiridol (Cat. No. 2090-1, 5)
 10Z-Hymenialdisine (Cat. No. 2212-250, 1000)
 Kenpaullone (Cat. No. 1904-1)
 PD1834352 (CI-1040) (Cat. No. 1585-1,5,25)
 EZSolution™ PD184352 (Cat. No. 1871-1)
 PD325901 (Cat. No. 1643-2, 5, 25)
 PD98059 (Cat. No. 1666-5)
 EZSolution™ PD98059 (Cat. No. 1783-5)
 (R)-Perharidine-1 (Cat. No. 2615-1,5)
 RO-3306 (Cat. No. 2039-1,5)
 Roscovitine (Cat. No. 1950-1,5)
 SB 203580 (Cat. No. 1712-1, 5)
 EZSolution™ SB203580 (1786-1)
 Sorafenib (Cat. No. 1594-25, 100)
 TG003 (Cat. No. 1905-5, 25)
 7, 3', 4'-Trihydroxyisoflavone (1886-25, 100)
 U0126 (Cat. No. 1668-5)
 VX-702 (Cat. No. 1598-1,5)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans