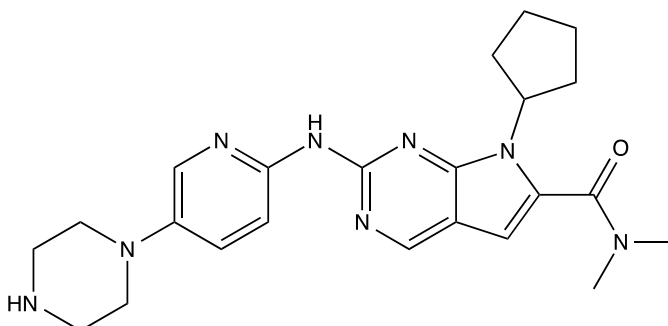


Catalog # 10-4807

Ribociclib

CAS# 1211441-98-3

LEE011; 7-cyclopentyl-N,N-dimethyl-2-((5-(piperazin-1-yl)pyridin-2-yl)amino)-7H-pyrrolo[2,3-d]pyrimidine-6-carboxamide
Lot # FBS1014



Ribociclib is a clinically useful, potent, and specific CDK4/6 inhibitor.^{1,2,3} It was recently approved for use in HR+, HER2-metastatic breast cancer.

- 1) Rader *et al.* (2013), *Dual CDK4/6 inhibition induces cell-cycle arrest and senescence in neuroblastoma*; Clin.Cancer Res. **19** 6173
- 2) Kim *et al.* (2013), *LEE011: an orally bioavailable, selective small-molecule inhibitor of CDK4/6 – reactivating Rb in cancer*; Mol.Cancer Ther. **12** PR02
- 3) Tripathy *et al.* (2017), *Ribociclib(LEE011): mechanism of action and clinical impact of this selective cyclin-dependent kinase 4/6 inhibitor in various solid tumors*; Clin.Cancer Res. March 28, 2017

PHYSICAL DATA

Molecular Weight: 434.54
Molecular Formula: C₂₃H₃₀N₈O
Purity: >98% by HPLC
NMR: Conforms
Solubility: DMSO (10 mg/mL)
Physical Description: Off-white solid
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

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