
Product Data Sheet

Product Name: Ribociclib D6

Cat. No.: GC60324

Chemical Properties

Cas. No. 1328934-40-2

SMILES O=C(C1=CC2=CN=C(NC3=NC=C(N4CCNCC4)C=C3)N=C2N1C5CCCC5)N(C([2H])([2H])[2H])C([2H])([2H])[2H]Formula C₂₃H₂₄D₆N₈O M.Wt 440.57

Solubility Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Ribociclib D6 (LEE011 D6) is a deuterium labeled Ribociclib. Ribociclib is a highly specific CDK4/6 inhibitor with IC₅₀ values of 10 nM and 39 nM, respectively, and is over 1,000-fold less potent against the cyclin B/CDK1 complex[1].

[1]. VanArsdale T, et al. Molecular Pathways: Targeting the Cyclin D-CDK4/6 Axis for Cancer Treatment. Clin Cancer Res. 2015 Jul 1;21(13):2905-10.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
