

Product Datasheet

RGB-286638 (orb1744363)

Description

RGB-286638 is a multi-target CDK inhibitor that effectively hampers the kinase activity of a range of cyclin-CDK complexes, including cyclin T1-CDK9 (IC₅₀ = 1 nM), cyclin B1-CDK1 (IC₅₀ = 2 nM), cyclin E-CDK2 (IC₅₀ = 3 nM), cyclin D1-CDK4 (IC₅₀ = 4 nM), cyclin E-CDK3 (IC₅₀ = 5 nM), and p35-CDK5 (IC₅₀ = 5 nM). Additionally, it inhibits other kinases such as GSK-3β (IC₅₀ = 3 nM), TAK1 (IC₅₀ = 5 nM), Jak2 (IC₅₀ = 50 nM), and MEK1 (IC₅₀ = 54 nM), showcasing its versatile inhibitory potential.

Storage

-20°C

Note

For research use only

Formula $C_{29}H_{37}Cl_2N_7O_4$ **Purity**

98.00%

MW

618.55

CAS Number

784210-87-3

SMILESCl.Cl.O=C(NC1=CC=CC=2C=3NN=C(C=4C=CC(=CC4)CN5CCN(CCOC)CC5)C3C(=O)C12)NN6CCOCC6**Expiration Date**

12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)