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Zuschläge

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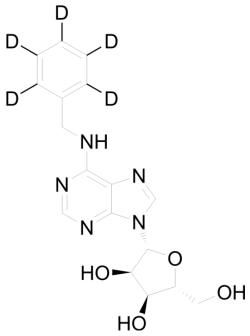
N6-Benzyladenosine-d_5

Cat. No.:	HY-N7844S
Molecular Formula:	$C_{17}H_{14}D_5N_5O_4$
Molecular Weight:	362.39
Target:	Isotope-Labeled Compounds; Apoptosis; Adenosine Receptor
Pathway:	Others; Apoptosis; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	N6-Benzyladenosine-d_5 (Benzyladenosine-d_5) is deuterium labeled N6-Benzyladenosine. N6-Benzyladenosine is an adenosine receptor agonist, has a cytoactive activity. N6-Benzyladenosine arrests cell cycle at G0/G1 phase and induces cell apoptosis. N6-Benzyladenosine also exerts inhibitory effect on T. gondii adenosine kinase and glioma[1][2][3][4][5][6].

REFERENCES

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[2]. Kaminek M, et al. Cytokinin activities of N6-benzyladenosine derivatives hydroxylated on the side-chain phenyl ring. Journal of Plant Growth Regulation. 1987. 6(2):113.

[3]. Castiglioni S, et al. N6-isopentenyladenosine and its analogue N6-benzyladenosine induce cell cycle arrest and apoptosis in bladder carcinoma T24 cells. Anticancer Agents Med Chem. 2013 May;13(4):672-8.

[4]. Mlejnek P. Caspase inhibition and N6-benzyladenosine-induced apoptosis in HL-60 cells. J Cell Biochem. 2001;83(4):678-89.

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[6]. Grimaldi M, et al. NMR for screening and a biochemical assay: Identification of new FPPS inhibitors exerting anticancer activity. Bioorg Chem. 2020 May;98:103449.

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