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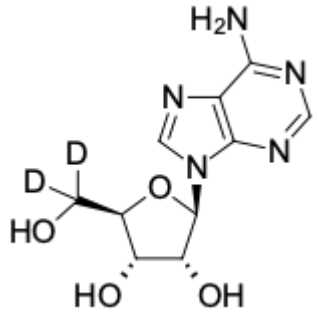
Adenosine-d2

http://www.lumiprobe.com/p/adenosine-d2-82741-17-1

Adenosine (ADO) is one of the nucleosides, and is a purinergic signaling molecule that profoundly affects gut function, including motility, ion secretion, and the modulation of inflammation. Adenosine acts through the enrollment of four G protein-coupled receptors: A1, A2A, A2B, and A3. Most of the research regarding extracellular ADO signaling in the gut has addressed enteric neurons, smooth muscle, afferent neurons, and the immune system. Adenosine can be used as biomarker for adenosine deaminase defficency which causes severe combined immunodeficiency (ADA-SCID) in newborn, could be used as a biomarker of white matter damage in very low birth weight infants. Adenosine and its modifications are increased in plasma and urine of breast cancer patients.



Structure of Adenosine-d2

General properties

Appearance:	white powder
Molecular weight:	269.25
CAS number:	82741-17-1
Molecular formula:	$C_{10}H_{11}D_2N_5O_4$
Quality control:	NMR ^1H and HPLC-MS (95+ %, D: 98+ %)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.