Certificate of Analysis

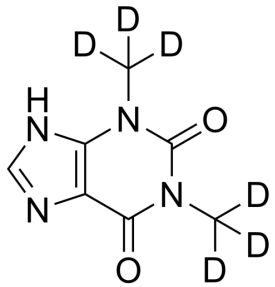
Theophylline-d_6

Cat. No.:	HY-B0809S
CAS No.:	117490-39-8
Batch No.:	256807
Chemical Name:	1H-Purine-2,6-dione, 3,9-dihydro-1,3-di(methyl-d3)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_7H_2D_6N_4O_2$		
Molecular Weight:	**186.20**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (HPLC):	**99.90%**
Isotopic Enrichment:	99.88%
Conclusion:	The product has been tested and complies with the given specifications.

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

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