Certificate of Analysis

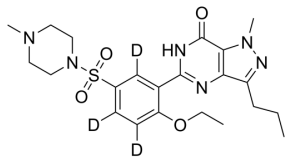
Sildenafil-d_3N_{-1}

Cat. No.:	HY-15025S2
CAS No.:	1126745-87-6
Batch No.:	329490
Chemical Name:	5-(2-Ethoxy-5-((4-methylpiperazin-1-yl)sulfonyl)phenyl-3,4,6-d3)-1-methyl-3-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{22}H_{27}D_3N_6O_4S$		
Molecular Weight:	**477.59**		
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
LCMS:	Consistent with structure
Purity (HPLC):	**99.47%**
Isotopic Enrichment:	96.9%
Additional Information:	d3=90.7%, d2=9.3%
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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