

Certificate of Analysis

Product Name	Orforglipron hemicalcium hydrate
Catalog No.	V89758
Batch No.	V8975802

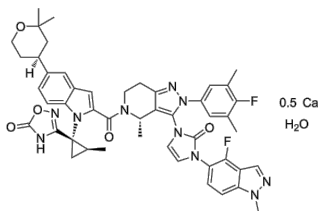
1. Physical and Chemical Properties

Appearance	White to off-white powder
Molecular Formula	C ₄₈ H ₄₈ F ₂ N ₁₀ O ₅ ·1/2Ca·H ₂ O
Molecular Weight	921.02
Purity	=99.92%
CAS No.	3008544-96-2
Production Date	
Retest Date	2029-03-16

2. Analytical Data

Test Item	Specification	Result
Solubility	Slightly soluble in ethanol or tetrahydrofuran insoluble in water	Conforms
Identification	HPLC: the retention time of major peak of sample solution correspond to that of reference standard solution	Conforms
OG-D1	≤0.10%	ND
Individual unspecified impurity	≤0.10%	0.04%
Total impurities	≤1.0%	0.08%
Purity	≥98.0%	=99.92%
Enantiomer	≤0.1%	ND
Ethanol	≤5000ppm	797ppm
Dichloromethane	≤600ppm	140ppm
Tert-butyl methyl ether	≤5000ppm	ND
Ethyl acetate	≤5000ppm	247ppm
Triethylamine	≤5000ppm	41ppm
n-heptane	≤5000ppm	ND
DMF	≤880ppm	ND
NMP	≤530ppm	ND
Assay	98.0%~102.0% (Calculated on anhydrous basis)	99.5%
Water	4.0%~7.0%	4.30%
Content of calcium ion	1.8%~2.5% (Calculated on anhydrous basis)	1.81%
Particle Size Distribution	D ₉₀ ≤20um	2.8μg

3. Structure



4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
Note: Please store this product in a sealed and protected environment, avoid exposure to moisture.			

Products are for research use only • Not for human or veterinary use

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