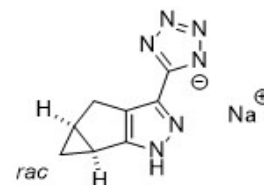


# Certificate of Analysis



## Product Identification

Catalog number	HB10013
Compound name	FCH-2296413 sodium salt (Peripherally restricted HCAD DREADD actuator) [Water Soluble]
Chemical name	rac-(2R,4R)-7-(1H-1,2,3,4-tetrazol-5-yl)-8,9-diazatricyclo[4.3.0.0,2,4]nona-1(6),7-diene, sodium salt
Basic molecular formula	$C_8H_7N_6Na$
Basic molecular weight	210.17
Batch number	E2888-2-3
Batch molecular formula	$C_8H_7N_6Na \cdot 1.8H_2O$
Batch molecular weight	242.60
Origin	Synthetic



## Chemical Structure

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.1%
NMR	$^1H$ NMR in $D_2O$ at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in n-BuOH/AcOH/water (40:10:25) shows one spot under UV	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

05/03/2025

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.