# **PRODUCT** INFORMATION



## Tetrahydrofuran fentanyl-d<sub>5</sub> (hydrochloride)

Item No. 21935

CAS Registry No.: Formal Name:	2747915-27-9 N-(1-phenethylpiperidin-4-yl)-N-phenyl-d <sub>5</sub> -	
	tetrahydrofuran-2-carboxamide, monohydrochloride	
Synonym:	THF fentanyl-d <sub>5</sub>	0
MF:	$C_{24}H_{25}D_5N_2O_2 \bullet HCI$	
FW:	420.0	
Chemical Purity:	≥98% (Tetrahydrofuran fentanyl)	
Deuterium		
Incorporation:	≥99% deuterated forms (d <sub>1</sub> -d <sub>5</sub> ); ≤1% d <sub>0</sub>	
Supplied as:	A crystalline solid	
Storage:	-20°C	
Stability:	≥5 years	U

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Description

Tetrahydrofuran fentanyl-d<sub>5</sub> (hydrochloride) (Item No. 21935) is an analytical reference standard intended for use as an internal standard for the quantification of tetrahydrofuran fentanyl (Item Nos. 23998 | 20859) by GC- or LC-MS. Tetrahydrofuran fentanyl is categorized as an opioid.<sup>1</sup> Tetrahydrofuran fentanyl-d<sub>5</sub> is regulated as a Schedule I compound in the United States. This product is intended for research and forensic applications.

## Reference

1. Hassanien, S.H., Bassman, J.R., Perrien Naccarato, C.M., et al. In vitro pharmacology of fentanyl analogs at the human mu opioid receptor and their spectroscopic analysis. Drug Test. Anal. 12(8), 1212-1221 (2020).

WARNING THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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