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CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

1216626-17-3

Catalogue Number:

A633252

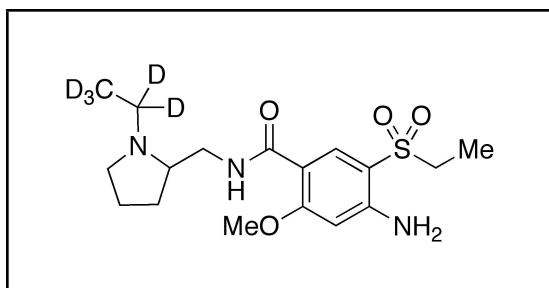
Product:

Amisulpride-d5

Synonyms:

4-Amino-N-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide-d5; Aminosultopride-d5; DAN-2163-d5; Socian-d5; Solian-d5; Sulamid-d5;

Structure:



Molecular Formula:

C₁₇H₂₂D₅N₃O₄S

Molecular Weight:

374.51

Source of Product:

Synthetic

2. Analytical Information

Lot Number:

2-AMC-124-4

Melting Point:

124 - 126°C

Boiling Point:

N/A

Atmosphere:

Inert Gas

Appearance of Product:

White Solid

Solubility

Chloroform (Slightly), Methanol (Slightly)

Method for Determining Identity:

¹H NMR (CDCl₃) and MS

Stability

Hygroscopic

Purity:

Chemical Purity: 98%

Isotopic Purity: 99.5%

Long Term Storage Condition:

Hygroscopic, -20°C Freezer, Under Inert Atmosphere

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 1 : 0.1; Visualized with UV and AMCS; Single Spot, R_f = 0.45.

¹H NMR and MS conform to structure.

Normalized Intensity: d₀ = 0.02%, d₁ = 0.00%, d₂ = 0.11%, d₃ = 0.01%, d₄ = 2.09%, d₅ = 97.78%

Philip Chan, Head of Quality Assurance

QC Test Date

September 29, 2015

Retest Date

September 27, 2020