



CERTIFICATE OF ANALYSIS

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1. Identification

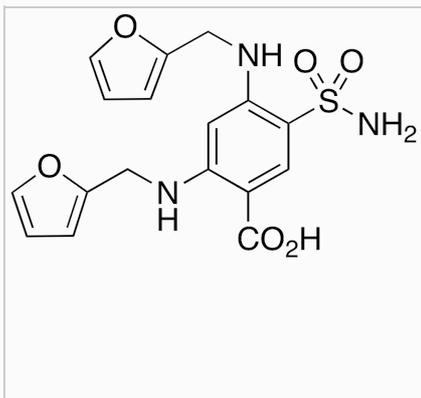
Catalogue Number: D288880

CAS Number: 5046-19-5

Product: 4-Deschloro-4-(2-furanylmethyl)amino Furosemide

Synonym: 5-(Aminosulfonyl)-2,4-bis[2-furanylmethyl]amino]benzoic Acid; 2,4-Bis(furfurylamino)-5-sulfamoylbenzoic Acid; Furosemide EP Impurity D

Structure:



Molecular Formula:

C₁₇H₁₇N₃O₆S

Molecular weight:

391.4

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly, Heated)

Lot Number: 2-MIB-85-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Dark Brown Solid	White and Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.49, %H: 4.20, %N: 10.25
HPLC Purity	Report Result	98.67% (255 nm)

Additional Information: Contains: ~0.9% Acetone

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	11/18/2021	11/16/2025

Evan Burns