

## CERTIFICATE OF ANALYSIS

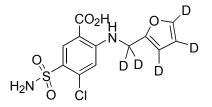
## Furosemide-D<sub>5</sub>

0.102 mg/mL in Methanol

Product Number: FD-3010 L of No :

FD-3010 Lot No.: 10280126

Chemical Identity: Molecular Formula	Chemical Name: 5-(Aminosulfonyl)-4-chloro-2-[(2-furanyl-d <sub>3</sub> -methyl-d <sub>2</sub> )amino]- benzoic acid C <sub>12</sub> H <sub>6</sub> D <sub>5</sub> ClN <sub>2</sub> O <sub>5</sub> S. FW: 335.77
Solvent:	Methanol
Volume per Ampule	1 mL
Storage Condition:	Protect from light, refrigerate or freeze
Melting Point:	207-208 °C
Loss on Drying (TGA)	<0.2%
Isotopic Purity	85% D <sub>5</sub> , 14% D <sub>4</sub>
Chemical Purity:	98.1% by HPLC/UV
Date of Analysis (solution	a): October 30, 2013
Expiration Date:	October 30, 2016



Purity (HPLC)	Prepared Concentration*	Analyzed Concentration**
98.1%	0.102 mg/mL (±0.005 mg/mL)	0.101 mg/mL±0.005 mg/mL)

\* Masses are determined using balances calibrated with NIST traceable weights. The prepared concentration is corrected for residual solvents, and chromatographic purity. This compound has not been characterized sufficiently to be used as a quantitative standard. For use as an internal standard only.
\*\* The concentration was analyzed using an independent spectroscopic method, it is suggested that the prepared concentration be used.

1. L. Cesenta Approved:

Rodney L. Eisenberg, Ph.D. Director

*10/30/2013* Date

## Spectral Data

