

Certificate of Analysis

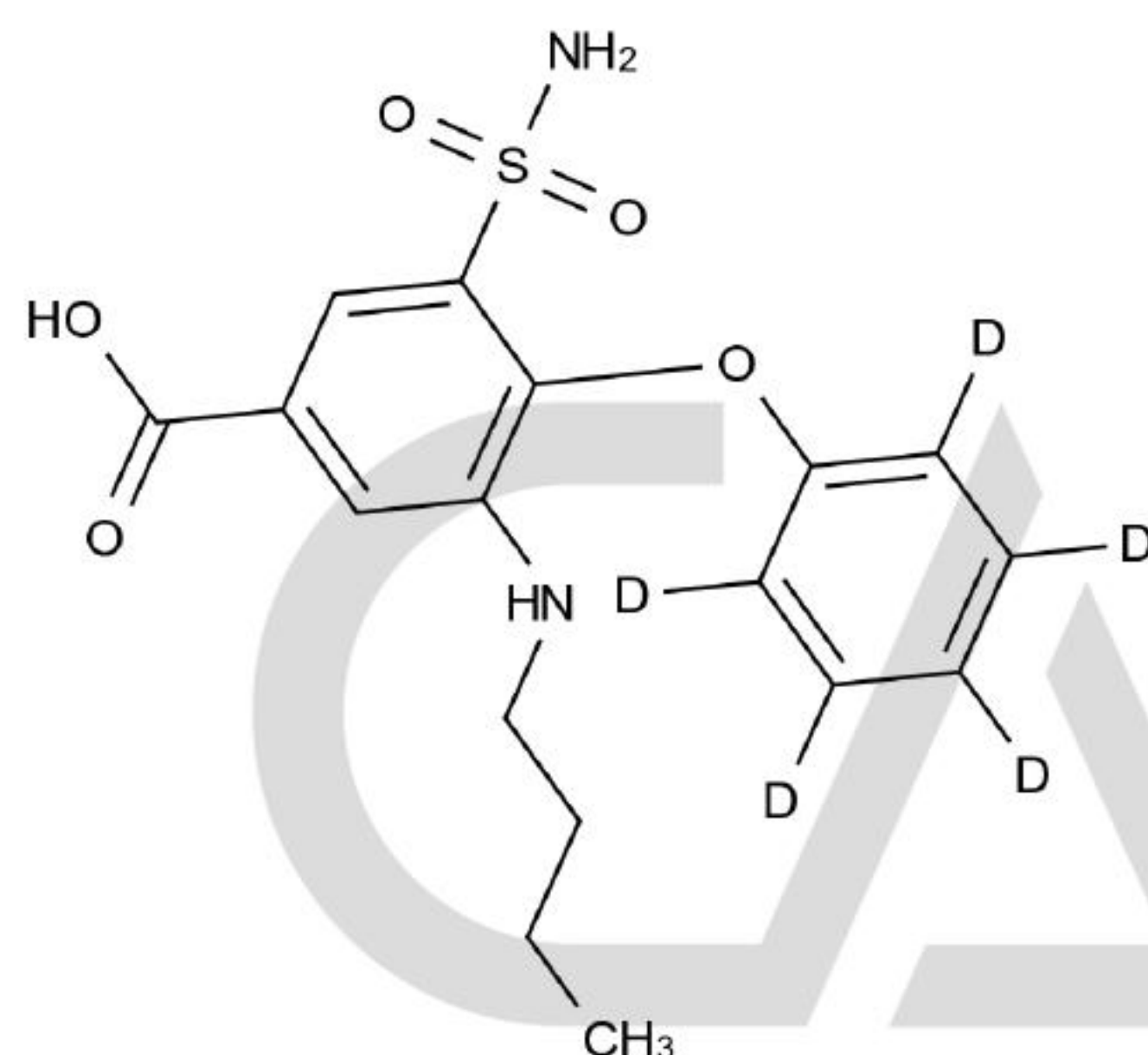
Reference Material & Standard

Product Name:	Bumetanide-d5	Catalogue Number:	CCAD302934
Synonyms:	N/A	Lot Number:	0122-RH-0031
CAS Number:	1216739-35-3	Expiry Date:	Jan 19, 2029
Molecular Formula:	C ₁₇ H ₁₅ D ₅ N ₂ O ₅ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	369.45	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	98.7%
Isotopic Purity		95.68%, D5: 80.30%; D4: 17.98%; D3: 1.53%; D2: 0.19%
Uncertainty		±0.3%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

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Reviewed by:

Yuki-i

Approved by General Manager:

David

Date: Apr 13, 2026

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