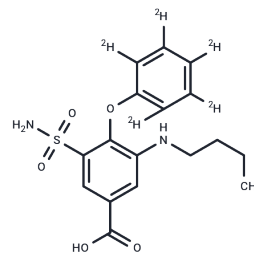


## Bumetanide-D5

## Chemical Properties

CAS No. :	1216739-35-3
Formula:	C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	369.45
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Bumetanide-D5 is a deuterium-labeled Bumetanide. Bumetanide (T0108) is a Na <sup>+</sup> -K <sup>+</sup> -Cl <sup>-</sup> (NKCC1) inhibitor (IC <sub>50</sub> s: 0.68 and 4.0 μM for hNKCC1A and hNKCC2A).
Targets(IC <sub>50</sub> )	Na-K-Cl cotransporter

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7067 mL	13.5336 mL	27.0673 mL
5 mM	0.5413 mL	2.7067 mL	5.4135 mL
10 mM	0.2707 mL	1.3534 mL	2.7067 mL
50 mM	0.0541 mL	0.2707 mL	0.5413 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Sandström PE1, et al. Evidence for diabetogenic action of bumetanide in mice. Eur J Pharmacol. 1988 May 20;150 (1-2):35-41.

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