

## Crisaborole-D4

## Chemical Properties

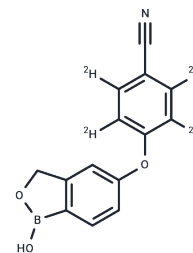
CAS No. :

Formula: C<sub>14</sub>H<sub>6</sub>D<sub>4</sub>BN<sub>3</sub>O<sub>3</sub>

Molecular Weight: 255.07

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	Crisaborole-D4 (AN-2728-D4) is a 2H-labeled version of Crisaborole. Crisaborole (T4285) is a phosphodiesterase 4 (PDE4) inhibitor and cytokine release inhibitor, used in the study of atopic dermatitis.
Targets(IC50)	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9205 mL	19.6025 mL	39.2049 mL
5 mM	0.7841 mL	3.9205 mL	7.841 mL
10 mM	0.392 mL	1.9602 mL	3.9205 mL
50 mM	0.0784 mL	0.392 mL	0.7841 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

Paller AS, et al. Efficacy and safety of crisaborole ointment, a novel, nonsteroidal phosphodiesterase 4 (PDE4) inhibitor for the topical treatment of atopic dermatitis (AD) in children and adults. J Am Acad Dermatol. 2016 Sep; 75(3):494-503.e6.

Paton DM. Crisaborole: Phosphodiesterase inhibitor for treatment of atopic dermatitis. Drugs Today (Barc). 2017 Apr;53(4):239-245.

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