

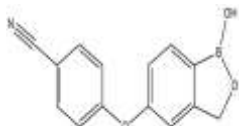
PRODUCT: AN-2728

ALTERNATE NAME: 4-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-6-yl)oxy)benzotrile;Crisaborole

CATALOG #: B2220-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₀BNO₃

MOLECULAR WEIGHT: 251.04

CAS NUMBER: 906673-24-3

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from light and light

DESCRIPTION: AN-2728 is a boron-based, topical anti-inflammatory agent that acts as a phosphodiesterase 4 (PDE4) inhibitor (IC₅₀ = 0.11 μM). It is less potent against PDE1A, PDE3A, and PDE7A (IC₅₀s = 6.12, 6.41, and 0.73 μM, respectively). AN-2728 suppresses the release of the proinflammatory cytokines TNF-α, IL-2, INF-γ, IL-5, and IL-10 with IC₅₀ values of 0.50, 0.59, 0.72, 2.25, and 2.58 μM, respectively.

REFERENCES: Freund, Y.R., *et al.* (2012). *FEBS Lett.* **586**, 3410-3414.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

AN-2728 (Cat. No. B2220-5,25)
Apremilast (Cat. No. 2352-5, 25)
Cilomilast (Cat. No. B2182-5,25)
Cilostamide (Cat. No. 2560-5, 25)
Cilostazol (Cat. No. 2393-5, 25)
GSK-356278 (Cat. No. B1292-5,25)
IBMX (Cat. No. 1714-100)
Milrinone (Cat. No. 2163-5, 25)
PhosphoSeek™ PDE5 A Assay Kit (Cat. No. K705-400)
PDE3 Antibody (Cat. No. 3956-200)
PF-04447943 (Cat. No. B1264-5,25)
Pimobendan (Cat. No. 9676-50, 250)
(R,S)-Rolipram (Cat. No. 2010-5)
RO 20-1724 (Cat. No. 2042-50, 250)
Roflumilast (Cat. No. 2675-10, 50)
Sildenafil Citrate (Cat. No. 2872-10,50)
TAK-063 (Cat. No. B1067-10, 50)
Zaprinast (Cat. No. 1715-25)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**