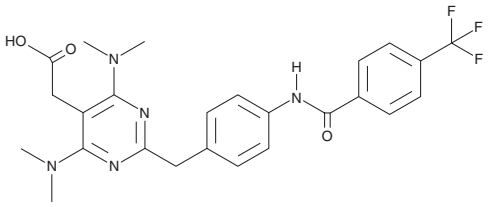
PRODUCT INFORMATION

BI-671800

Item No. 27638

CAS Registry No.:	1093108-50-9
Formal Name:	4,6-*bis*(dimethylamino)-2-[[4-[[4-(trifluoromethyl)benzoyl]amino]phenyl]methyl]-5-pyrimidineacetic acid
Synonym:	AP-761
MF:	$C_{25}H_{26}F_3N_5O_3$
FW:	501.5
Purity:	≥98%
UV/Vis.:	λ_{max}: 251, 279 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

BI-671800 is supplied as a crystalline solid. A stock solution may be made by dissolving the BI-671800 in the solvent of choice, which should be purged with an inert gas. BI-671800 is soluble in the organic solvent DMSO.

Description

BI-671800 is an antagonist of the prostaglandin D_2 (PGD_2; Item No. 12010) receptor $CRTH_2/DP_2$ (IC_{50} = 42 nM in a radioligand binding assay).[1] It binds selectively to $CRTH_2/DP_2$ over DP_1, thromboxane, and prostacyclin receptors (IC_{50}s = 25.6, 62.6, and >100 µM, respectively). BI-671800 inhibits PGD_2-induced shape change in human eosinophils (IC_{50} = 744 nM).

Reference

1. Stearns, B.A., Baccei, C., Bain, G., *et al.* Novel tricyclic antagonists of the prostaglandin D_2 receptor DP2 with efficacy in a murine model of allergic rhinitis. *Bioorg. Med. Chem. Lett.* **19(16)**, 4647-4651 (2009).

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