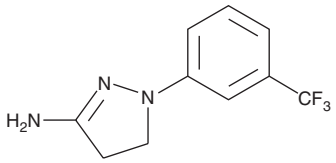
PRODUCT INFORMATION

BW 755C

Item No. 15490

CAS Registry No.:	66000-40-6
Formal Name:	4,5-dihydro-1-[3-(trifluoromethyl) phenyl]-1H-pyrazol-3-amine
MF:	$C_{10}H_{10}F_3N_3$
FW:	229.2
Purity:	≥95%
UV/Vis.:	λ_{max}: 286 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

BW 755C is supplied as a crystalline solid. A stock solution may be made by dissolving the BW 755C in the solvent of choice, which should be purged with an inert gas. BW 755C is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of BW 755C in ethanol and DMSO is approximately 30 mg/ml and approximately 25 mg/ml in DMF.

BW 755C is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, BW 755C should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. BW 755C has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

BW 755C is a dual inhibitor of 5-lipoxygenase (5-LO) and cyclooxygenase (COX) pathways, inhibiting 5-LO, COX-1, and COX-2 (IC_{50}s = 0.75 µM, 0.65 µg/ml, and 1.2 µg/ml, respectively).{25336,25335,1287} It may also inhibit other LO pathways *in vivo*.{67} Through these actions, BW 755C diminishes inflammation.{744,23775}

References

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3. Mitchell, J.A., Akarasereenont, P., Thiemermann, C., *et al*. Selectivity of nonsteroidal antiinflammatory drugs as inhibitors of constitutive and inducible cyclooxygenase. *Proc. Natl. Acad. Sci. USA* **90**, 11693-11697 (1993).
4. Tanaka, N., Espey, L.L., Kawano, T., *et al*. Comparison of inhibitory actions of indomethacin and epostane on ovulation in rats. *Am. J. Physiol.* **260**, E170-E174 (1991).
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6. Calhoun, W., Yu, J., Sung, A., *et al*. Pharmacologic modulation of D-49 phospholipase A_2-induced paw edema in the mouse. *Agents Actions* **27**, 418-421 (1989).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM