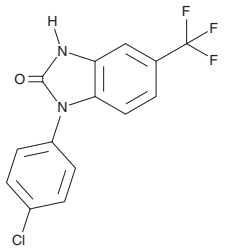
PRODUCT INFORMATION

UCCF-853

Item No. 46404

CAS Registry No.:	625458-06-2
Formal Name:	1-(3-chlorophenyl)-1,3-dihydro-5-(trifluoromethyl)-2H-benzimidazol-2-one
MF:	$C_{14}H_8ClF_3N_2O$
FW:	312.7
Purity:	≥98%
Supplied as:	A 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

UCCF-853 is supplied as a solid. A stock solution may be made by dissolving the UCCF-853 in the solvent of choice, which should be purged with an inert gas. UCCF-853 is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

UCCF-853 is an activator and potentiator of the cystic fibrosis transmembrane conductance regulator (CFTR).[1] In primary human bronchial epithelial cells, it activates CFTR at 1-50 µM and potentiates activation of CFTR induced by 8-CPT-cAMP (Item No. 12011) at 20 and 50 µM, effects that can be blocked by glibenclamide (glyburide; Item No. 15009).

Reference

1. Caci, E., Folli, C., Zegarra-Moran, O., *et al.* CFTR activation in human bronchial epithelial cells by novel benzoflavone and benzimidazolone compounds. *Am. J. Physiol. Lung Cell. Mol. Physiol.* **285(1)**, L180-L188 (2003).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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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