



IMD 0354

Cat. No.:	OB0225WX-2530
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	5 mg; 10 mg; 50 mg; 1 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	IMD-0354 functions as a specific IKK-beta inhibitor that effectively prevents the phosphorylation of I-kappa-B-alpha within the NF-kappaB signaling cascade.
Synonym	IKK2 Inhibitor V; 978-62-1; IMD-0354; <i>N</i> -(3,5-bis(trifluoromethyl)phenyl)-5-chloro-2-hydroxybenzamide; IKK-2 Inhibitor V; <i>N</i> -[3,5-bis(trifluoromethyl)phenyl]-5-chloro-2-hydroxybenzamide; IMD0354; MFCD00218820; Benzamide, <i>N</i> -(3,5-bis(trifluoromethyl)phenyl)-5-chloro-2-hydroxy-; 3',5'-Salicyloxylidide, 5-chloro-alpha,alpha,alpha,alpha',alpha',alpha'-hexafluoro-; <i>N</i> -[3,5-bis(trifluoromethyl)phenyl]-5-chloro-2-hydroxy-benzamide; <i>N</i> -(3,5-Bis-trifluoromethylphenyl)-5-chloro-2-hydroxybenzamide; IMD 0354; 5-Chloro-a,a,a,a',a',a'-hexafluoro-3',5'-salicyloxylidide <i>N</i> -(3,5-Bis(trifluoromethyl)phenyl)-5-chloro-2-hydroxybenzamide; IKK-2-inhibitor-V; 5-Chloro-2-hydroxy- <i>N</i> -[3,5-bis(trifluoromethyl)phenyl]benzamide; 5-chloro-2-hydroxy- <i>N</i> -[3,5-bis(trifluoromethyl)phenyl]-benzamide; 634914-41-3
CAS No.	978-62-1
Compound CID	5081913
Formula	C ₁₅ H ₈ ClF ₆ NO ₂
Formula Weight	383.67

Specification

IUPAC Name	<i>N</i> -[3,5-Bis(trifluoromethyl)phenyl]-5-chloro-2-hydroxybenzamide
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InChI	InChI=1S/C15H8ClF6NO2/c16-9-1-2-12(24)11(6-9)13(25)23-10-4-7(14(17,18)19)3-8(5-10)15(20,21)22/h1-6,24H,(H,23,25)
InChI Key	CHILCFMQWMQVAL-UHFFFAOYSA-N
SMILES string	<chem>C1=CC(=C(C=C1Cl)C(=O)NC2=CC(=CC(=C2)C(F)(F)F)C(F)(F)F)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	IMD 0354 is applied in molecular biology research as a selective IKK-beta inhibitor to study the prevention of p65 translocation and the suppression of NF-kappa B-driven gene expression.

Library Information

Target	IκB/IKK
Receptor	IKKβ
Pathways	NF-κB
Plate Number	L6700-04
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	10 mg/mL; 26.06 mM
Ethanol Max Solubility	77 mg/mL
ALogP	4.921
HBA_Count	1
HBD_Count	2
Rotatable Bond	4