



(E/Z)-BIX02188

Cat. No.:	OB0225LY-0215
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR and HPLC.
Size:	1 mg; 2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

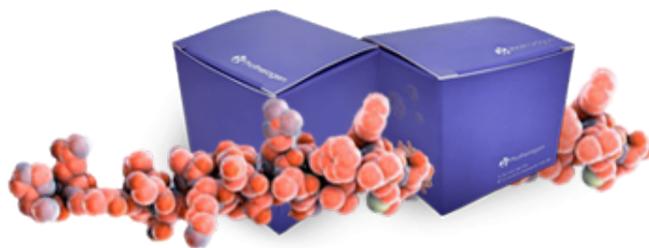
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	(E/Z)-BIX02188 is a specific MEK5 inhibitor that inhibits ERK5 catalytic activity.
Synonym	1094614-84-2; BIX02188; BIX-02188; BIX 02188; (Z)-3-(((3-((dimethylamino)methyl)phenyl)amino)(phenyl)methylene)-2-oxoindoline-6-carboxamide; (3Z)- 3-[[[3-[(Dimethylamino)methyl]phenyl]amino]phenylmethylene]-2,3-dihydro-2-oxo -1H-indole-6-carboxamide; 3-[N-[3-[(dimethylamino)methyl]phenyl]-C-phenylcarbonimidoyl]-2-hydroxy-1H-indole-6-carboxamide
CAS No.	1094614-84-2
Compound CID	135398492
Formula	C ₂₅ H ₂₄ N ₄ O ₂
Formula Weight	412.48

Specification

Relative Density	1.283 g/cm ³
IUPAC Name	3-[N-[3-[(Dimethylamino)methyl]phenyl]-C-phenylcarbonimidoyl]-2-hydroxy-1 H-indole-6-carboxamide
InChI	InChI=1S/C25H24N4O2/c1-29(2)15-16-7-6-10-19(13-16)27-23(17-8-4-3-5-9-17)22-20-12-11-18(24(26)30)14-21(20)28-25(22)31/h3-14,28,31H,15H2,1-2H3,(H2,26,30)
InChI Key	WGPXKFOFEXJMBD-UHFFFAOYSA-N
SMILES string	CN(C)CC1=CC(=CC=C1)N=C(C2=CC=CC=C2)C3=C(NC4=C3C=CC(=C4)C(=O)N)O



Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	(E/Z)-BIX02188 can be used for cellular metabolic signaling studies.

Library Information

Targets	TGF-beta/Smad; MEK; ERK
Receptors	ERK5; MEK1; MEK2; MEK5; TGFβR1
Pathways	MAPK; Stem cells
Plate Number	AOCL-3
Plate Location	f9
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	40 mg/mL; 97 mM
Water Max Solubility	<1 mg/mL (insoluble or slightly soluble)
Ethanol Max Solubility	3 mg/mL; 7.27 mM