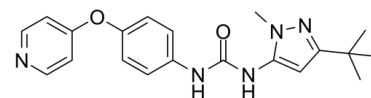


Data Sheet

Product Name:	MAPK13-IN-1
Cat. No.:	CS-0014526
CAS No.:	229002-10-2
Molecular Formula:	C ₂₀ H ₂₃ N ₅ O ₂
Molecular Weight:	365.43
Target:	Autophagy; p38 MAPK
Pathway:	Autophagy; MAPK/ERK Pathway
Solubility:	DMSO : ≥ 250 mg/mL (684.13 mM)



BIOLOGICAL ACTIVITY:

MPAK13-IN-1 is a **MAPK13 (p38δ)** inhibitor, with an **IC₅₀** of 620 nM. IC₅₀ & Target: IC₅₀: 620 nM (MAPK13)^[1].

References:

[1]. Yurtsever Z, et al. First comprehensive structural and biophysical analysis of MAPK13 inhibitors targeting DFG-in and DFG-out binding modes. Biochim Biophys Acta. 2016 Nov;1860(11 Pt A):2335-2344.

CAIndexNames:

Urea, N-[3-(1,1-dimethylethyl)-1-methyl-1H-pyrazol-5-yl]-N'-[4-(4-pyridinyloxy)phenyl]-

SMILES:

O=C(NC1=CC=C(OC2=CC=NC=C2)C=C1)NC3=CC(C(C)(C)C)=NN3C

Caution: Product has not been fully validated for medical applications. For research use only.

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