



Product Information

Keap1-Nrf2 inhibitor Nrf2-IN-1, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ557

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1610022-76-8

Compound CID: 76900951

Synonym: Nrf2-IN-1; 1610022-76-8;

3-(4-Chlorophenyl)-1-[[4-(1

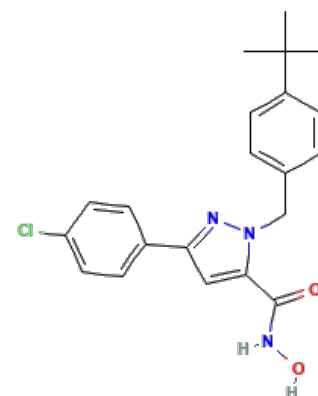
,1-dimethylethyl)phenyl]methyl]-*N*-hydroxy-1*H*-pyrazole-5-carboxamide;

1-(4-(*tert*-Butyl)benzyl)-3-(4-chlorophenyl)-*N*-hydroxy-1*H*-pyrazole-5-carboxamide;

2-[(4-*tert*-Butylphenyl)methyl]-5-(4-chlorophenyl)-*N*-hydroxypyrazole-3-carboxamide;

Keap1-Nrf2 inhibitor

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



Product Information

Description	Nrf2-IN-1 is an active small molecule compound that mediates the Keap1-Nrf2 signaling pathway.
Molecular Weight	383.87
Molecular Formula	C ₂₁ H ₂₂ ClN ₃ O ₂
IUPAC Name	2-[(4- <i>tert</i> -Butylphenyl)methyl]-5-(4-chlorophenyl)- <i>N</i> -hydroxypyrazole-3-carboxamide
InChI	InChI=1S/C21H22ClN3O2/c1-21(2,3)16-8-4-14(5-9-16)13-25-19(20(26)24-27)12-18(23-25)15-6-10-17(22)11-7-15/h4-12,27H,13H2,1-3H3,(H,24,26)
InChI Key	ZFDMUUNGVLREEC-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)C1=CC=C(C=C1)CN2C(=CC(=N2)C3=CC=C(C=C3)Cl)C(=O)NO
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Nrf2-IN-1 can be used to investigate the inhibition of the Nrf2 pathway in oxidative stress and related diseases.
Storage	Store at -20°C.



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