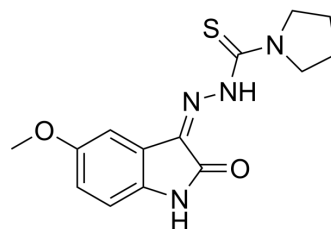


MeOlstPyrd

Cat. No.:	HY-155974
CAS No.:	2308548-54-9
Molecular Formula:	C ₁₄ H ₁₆ N ₄ O ₂ S
Molecular Weight:	304.37
Target:	MDM-2/p53
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MeOlstPyrd is an anti-skin cancer agent. MeOlstPyrd inhibits cell proliferation, migration, and spheroid formation by activating the mitochondrial intrinsic apoptotic pathway. MeOlstPyrd induces DNA damage. MeOlstPyrd activates p53, and increases the half-life of p53 and stabilizes p53 by phosphorylating it at ser15. MeOlstPyrd binds to MDM2 in the p53 sub-pocket and blocks p53-MDM2 interaction^[1].

REFERENCES

[1]. Nerina Shahi, et al. 5-Methoxyisatin N(4)-Pyrrolidinyl Thiosemicarbazone (MeOlstPyrd) Restores Mutant p53 and Inhibits the Growth of Skin Cancer Cells, In Vitro. <https://pubs.acs.org/doi/10.1021/acsomega.3c03824>. ACS Omega 2023, 8, 35, 31998-32016.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA