
Product Name	:	TT-012
Synonyms	:	—
Cat No.	:	M37093
CAS Number	:	1164471-33-3
Molecular Formula	:	C19H15N3O4
Formula Weight	:	349.34
Chemical Name	:	—
Description	:	TT-012 specifically binds to dynamic MITF and destroys the latter's dimer formation and DNA-binding ability. TT-012 inhibits the transcriptional activity of MITF in B16F10 melanoma cells. TT-012 inhibits the growth of high-MITF melanoma cells, and inhibits the tumor growth and metastasis with tolerable toxicity to liver and immune cells in animal models.
Pathway	:	Others
Target	:	Other Targets
Receptor	:	Others
Solubility	:	In Vitro: ?DMSO : 100 mg/mL (286.25 mM; Ultrasonic)
SMILES	:	N(C(=C\c1=CC=CO1)=O)C=2N=C(NC(=C\c3=CC=CO3)=O)C=CC2
Storage	:	(-20°C)
Stability	:	≥ 2 years
Reference	:	

1. Liu Z, et al. A unique hyperdynamic dimer interface permits small molecule perturbation of the melanoma oncoprotein MITF for melanoma therapy. *Cell Res.* 2023 Jan;33(1):55-70. ?