

Product Name	: TT-012
Synonyms	: —
Cat No.	: M37093
CAS Number	: 1164471-33-3
Molecular Formula	: C ₁₉ H ₁₅ N ₃ O ₄
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	: <chem>N(C(/C=C/C1=CC=CO1)=O)C=2N=C(NC(/C=C/C3=CC=CO3)=O)C=CC2</chem>
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. ?