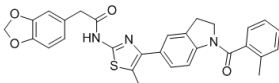


Product Name	: ML-385
Synonyms	: ML 385;ML385
Cat No.	: M16145
CAS Number	: 846557-71-9
Molecular Formula	: C ₃₁ H ₂₉ N ₃ O ₂ S
Formula Weight	: 507.65
Chemical Name	: 1,3-Benzodioxole-5-acetamide, N-[4-[2,3-dihydro-1-(2-methylbenzoyl)-1H-indol-5-yl]-5-methyl-2-thiazolyl]-
Description	 <p>A first-in-class small molecule inhibitor of NRF2 that binds to Neh1 DNA binding domain of NRF2 (IC₅₀=1.9 μM) and inhibits the downstream target gene expression; blocks the binding of the NRF2-MAFG complex to the ARE sequence in the promoter and reduces transcriptional activity; inhibits NRF2 signaling in lung cancer cells with KEAP1 mutations, shows selective cytotoxicity in NSCLC cells with KEAP1 mutations and potentiates the toxicity chemotherapy drugs; shows anti-tumor activity in NSCLC both as a single agent and in combination with carboplatin in preclinical models of NSCLC.Lung Cancer Preclinical</p>
Pathway	: Nuclear Receptor/Transcription Factor
Target	: Keap1-Nrf2
Receptor	: Nrf2
Solubility	: DMSO: ≥ 30 mg/mL
SMILES	: <chem>O=C(NC1=NC(C2=CC3=C(N(C(C4=CC=CC=C4C)=O)CC3)C=C2)=C(C)S1)CC5=CC=C(OC6)C6=C5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Singh A, et al. ACS Chem Biol. 2016 Nov 18;11(11):3214-3225.