

Product Name	: BRD4 Inhibitor-20
Synonyms	: —
Cat No.	: M35542
CAS Number	: 2490311-14-1
Molecular Formula	: C ₁₈ H ₁₈ N ₂ O ₄ S
Formula Weight	: 358.41
Chemical Name	: —
Description	BRD4 Inhibitor-20 is a potent orally active bromodomain protein 4 (BRD4) inhibitor. BRD4 Inhibitor-20 has inhibitory activity for BRD4 (BD1) and BRD4 (BD2) with IC ₅₀ values of 19 nM and 28 nM, respectively. BRD4 Inhibitor-20 also has anti-proliferation activities in cancer cell lines. BRD4 Inhibitor-20 can be used for the research of kinds of cancer, such as colon cancer.
Pathway	: Chromatin/Epigenetic
Target	: Epigenetic Reader Domain
Receptor	: Epigenetic Reader Domain
Solubility	: In Vitro: ?DMSO : 125 mg/mL (348.76 mM; Ultrasonic (<60°C)
SMILES	: <chem>C(C)(C)=C1C=2C(NC1=O)=CC=C(NS(=O)(=O)C3=C(OC)C=CC=C3)C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Yu Xu, et al. Design, synthesis and biological evaluation of indole-2-one derivatives as potent BRD4 inhibitors. Eur J Med Chem. 2020 Dec 15;208:112780.?