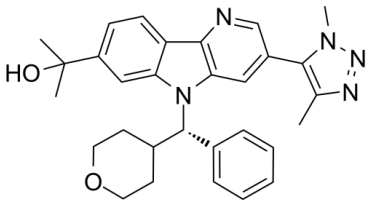
Data Sheet

Product Name:	BMS-986158
Cat. No.:	CS-7497
CAS No.:	1800340-40-2
Molecular Formula:	C30H33N5O2
Molecular Weight:	495.62
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Solubility:	DMSO : 1 mg/mL (2.02 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

BMS-986158 is an inhibitor of the bromodomain and extra-terminal (**BET**) proteins. IC50 & Target: BET[1] **In Vitro:** BMS-986158 is an inhibitor of the bromodomain (BRD) and extra-terminal domain (BET) family of proteins, with potential antineoplastic activity. Upon administration, the BET inhibitor BMS-986158 binds to the acetyl-lysine binding site in the BRD of BET proteins, thereby preventing the interaction between BET proteins and acetylated histones. This disrupts chromatin remodeling and prevents the expression of certain growth-promoting genes, resulting in an inhibition of tumor cell growth[2].

References:

[1]. von Schaper E. Roche bets on bromodomains. Nat Biotechnol. 2016 Apr;34(4):361-2.

[2]. BET Inhibitor BMS-986158.

CAIndexNames:

5H-Pyrido[3,2-b]indole-7-methanol, 3-(1,4-dimethyl-1H-1,2,3-triazol-5-yl)-α,α-dimethyl-5-[(S)-phenyl(tetrahydro-2H-pyran-4-yl)methyl]-

SMILES:

OC(C)(C)C1=CC=C2C(N([C@H](C3=CC=CC=C3)C4CCOCC4)C5=C2N=CC(C6=C(C)N=NN6C)=C5)=C1

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

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