

Product Name	: BC-1485
Synonyms	: BC1485
Cat No.	: M13167
CAS Number	: 2035085-19-7
Molecular Formula	: C ₁₉ H ₂₁ N ₅ O ₅ S
Formula Weight	: 431.47
Chemical Name	: N-(1-(dimethylamino)-1-oxopropan-2-yl)-4-((2-oxo-2,3-dihydro-1H-benzo[d]imidazole)-5-sulfonamido)benzamide
Description	: BC-1485 is a first-in-class, small molecule inhibitor of FIEL1 (Fibrosis-inducing E3 ligase 1) that exhibits potent activity toward disrupting FIEL1-directed PIAS4 ubiquitination; exhibits >100-fold activity in disrupting the FIEL1-PIAS4 interaction compared with BC-1480; dose-dependently increases PIAS4 protein levels, stabilize PIAS4 in cells; ameliorates fibrosis in murine models.
Pathway	: Proteasome/Ubiquitin
Target	: E3 Ubiquitin Ligase
Receptor	: E3 Ubiquitin Ligase
Solubility	: —
SMILES	: <chem>O=C(NC(C)C(N(C)C)=O)C1=CC=C(NS(=O)(=O)C2=CC=C(C(N3=C2)NC3=O)=O)C=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lear T, et al. J Exp Med. 2016 May 30;213(6):1029-46. | 2. Lear T, et al. Cytokine. 2016 Dec;88:193-195.