

Pamolidomide

Cat. # F5220-10, F5220-50

Also Known as: CC-4047; Actimid
Formula: $C_{13}H_{11}N_3O_4$
MW: 273.24 g/mol
CAS No.: 19171-19-8
Source: Synthetic
Form: Powder
Solubility: Soluble in DMSO up to 20 mg/mL. Insoluble in water.
Preparation of Stocks in DMSO: 10 mg/mL = 38.6 mM

Quality Assurance: >98% purity assayed by HPLC and NMR.

Description: Pomalidomide is a second generation immunomodulator, and a thalidomide analog. Pomalidomide is a ligand of the E3 ubiquitin ligase Cereblon (CRBN), and it is widely used in PROTAC design for targeting protein substrates to the ubiquitin ligase CUL4/CRBN for ubiquitination, leading to subsequent proteasomal degradation.

Storage: Eligible for room temperature shipping. Store at -20°C upon receiving. Avoid multiple freeze-thaw cycles after dissolving in DMSO.

Literature:
1. Dimopoulos M., et al. The New England Journal of Medicine, 2007, 357, 2123.
2. Lopez-Girona A E A, et al. Leukemia, 2012, 26, 2326.