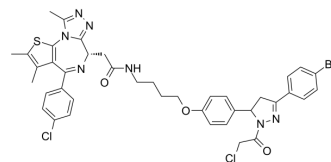


## ML 2-14

Cat. No.:	HY-132991
Molecular Formula:	C <sub>40</sub> H <sub>38</sub> BrCl <sub>2</sub> N <sub>7</sub> O <sub>3</sub> S
Molecular Weight:	847.65
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 6 months </div> <div> -20°C 1 month </div>



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (117.97 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	1.1797 mL	5.8987 mL	11.7973 mL
		5 mM	0.2359 mL	1.1797 mL	2.3595 mL
		10 mM	0.1180 mL	0.5899 mL	1.1797 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.95 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.95 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	ML 2-14 is a PROTAC for degrading BRD4, with C4 alkyl linker. ML 2-14 exerts degradation of BRD4 in 231MFP breast cancer cells <sup>[1]</sup> .
In Vitro	ML 2-14 with C4 alkyl linker shows robust degradation of BRD4 in 231MFP breast cancer cells, with DC <sub>50</sub> values of 36 and 14 nM for the long and short isoforms of BRD4, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA