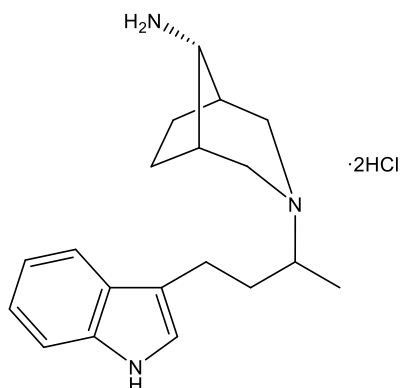


**Catalog # 10-4374**

**UHMCP1**

(±)-3-[4-(1H-Indol-3-yl)butan-2-yl]-3-azabicyclo[3.2.1]octan-8-(syn)-amine dihydrochloride

Lot # FBA10052



UHMCP1 prevents the interaction ( $K_D = 80 \mu\text{M}$ ) between the splicing factor SF3b155 and U2AF homology motif domain (UHM) U2AF<sup>65</sup>.<sup>1</sup> The spliceosomal gene SF3B1 (which encodes for SF3b155) is frequently mutated in cancers as is the splicing factor U2AF.<sup>2</sup> UHMCP1 displayed toxicity against HEK293 cells ( $EC_{50} = 140 \mu\text{M}$ ) and various effects on pre-mRNA accumulation or intron retention, exon skipping and inclusion.<sup>1</sup> An interesting new tool for study of the spliceosome.

- 1) Clement *et al.* (2022), *Identification of a small molecule splicing inhibitor targeting UHM domains*; FEBS J., **289** 682
- 2) Yoshida and Ogawa (2014), *Splicing factor mutations and cancer*; Wiley Interdiscip. Rev. RNA, **5** 445

**PHYSICAL DATA**

Molecular Weight:	370.37
Molecular Formula:	C <sub>19</sub> H <sub>27</sub> N <sub>3</sub> ·2HCl
Purity:	>97% by HPLC
	NMR: (Conforms)
Solubility:	Water (100 mg/ml); DMSO (>25 mg/ml)
Physical Description:	Off-white to beige solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.