

Product Data Sheet

Product Name: Valecobulin hydrochloride

Cat. No.: GC39177

Chemical Properties

Cas. No. 1240321-53-2

SMILES CC(C)[C@H](N)C(NC1=NC(C2=CC=C(C(C3=CC(OC)=C(OC)C(OC)=C3)=O)C(N4N=CN=C4)=C2)=CS1)=O.Cl

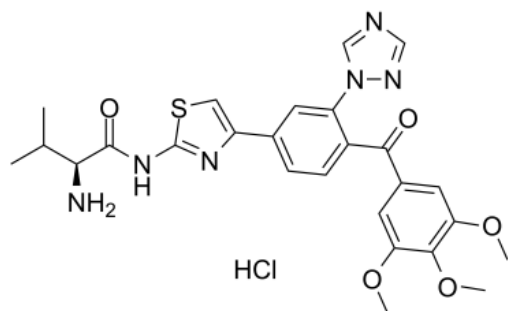
Formula $C_{26}H_{29}ClN_6O_5S$ M.Wt 573.06

Solubility DMSO: 125 mg/mL (218.13 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Valecobulin hydrochloride (CKD-516 hydrochloride) is a valine prodrug of S516 and a vascular disrupting agent (VDA). Valecobulin hydrochloride is a potent β -tubulin polymerization inhibitor with marked antitumor activity against murine and human solid tumors[1][2].

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

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- [1]. Lee J, et al. Identification of CKD-516: a potent tubulin polymerization inhibitor with marked antitumor activity against murine and human solid tumors. J Med Chem. 2010 Sep 9;53(17):6337-54.
- [2]. Joo I, et al. Intravoxel incoherent motion diffusion-weighted MR imaging for monitoring the therapeutic efficacy of the vascular disrupting agent CKD-516 in rabbit VX2 liver tumors. Radiology. 2014 Aug;272(2):417-26.

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