
Product Data Sheet

Product Name: S65487 hydrochloride

Cat. No.: GC63426

Chemical Properties

Cas. No. 1644543-95-2

Formula $C_{41}H_{42}Cl_2N_6O_4$

M.Wt 753.72

Solubility DMSO : 90 mg/mL (119.41 mM; Need ultrasonic)

Storage 4°C, away from moisture

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**

S65487 (VOB560) hydrochloride is a potent and selective Bcl-2 inhibitor. S65487 hydrochloride is also active on BCL-2 mutations, such as G101V and D103Y. S65487 hydrochloride has poor affinity with MCL-1, BFL-1 and BCL-XL. S65487 hydrochloride induces apoptosis and has anticancer activities[1][2].

S65487 hydrochloride binds to the BH3 hydrophobic groove of BCL-2. S65487 hydrochloride induces apoptosis in a panel of hematological cancer cell lines and inhibits cell proliferation with IC50s in the low nM range[1].

S65487 hydrochloride induces complete regression in BCL-2-dependent RS4;11 tumors in vivo after a single IV (intravenous) administration. Strong and persistent tumor regression in xenograft models of lymphoid malignancies in mouse and rat are observed at well tolerated doses following weekly IV administration of S65487 hydrochloride in combination with the MCL-1-specific inhibitor, S64315/MIK665[1].

[1]. Arnaud Le Tiran, et al. Abstract 1276: Identification of S65487/VOB560 as a potent and selective intravenous 2nd-generation BCL-2 inhibitor active in wild-type and clinical mutants resistant to Venetoclax. Cancer Research. July 2021.

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

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