

## Product Data Sheet

Product Name: MSC1094308

Cat. No.: GC60257

### Chemical Properties

Cas. No. 2219320-08-6

SMILES FC1=CC=C(C(C2=CC=C(F)C=C2)CCCNCCC3CCC(NC4=C5C=C(F)C=C4)=C5C3)C=C1

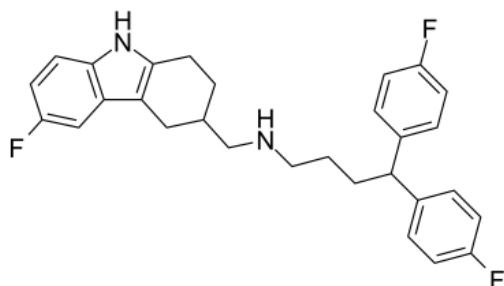
Formula  $C_{29}H_{29}F_3N_2$  M.Wt 462.55

Solubility 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

MSC1094308 is a reversible and allosteric inhibitor of the type II AAA ATPase human ubiquitin-directed unfoldase (VCP)/p97 and the type I AAA ATPase VPS4B, with IC<sub>50</sub> values of 0.71 μM and 7.2 μM for VPS4B and p97, respectively[1].

[1]. Pöhler R, et al. A Non-Competitive Inhibitor of VCP/p97 and VPS4 Reveals Conserved Allosteric Circuits in Type I and II AAA ATPases. Angew Chem Int Ed Engl. 2018 Feb 5;57(6):1576-1580.

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

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