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## Product Data Sheet

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Product Name: (1 $\alpha$ ,1'S,4 $\beta$ )-Lanabecestat

Cat. No.: GC38489

**Chemical Properties**

Cas. No. 1384082-96-5

SMILES NC(C(C)=N1)=N[C@]21C3=C(C=CC(C4=CC(C#CC)=CN=C4)=C3)C[C@]52CC[C@@H](OC)CC5

Formula C<sub>26</sub>H<sub>28</sub>N<sub>4</sub>O

M.Wt 412.53

Solubility DMSO: 250 mg/mL (606.02 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**

(1 $\alpha$ ,1'S,4 $\beta$ )-Lanabecestat ((1 $\alpha$ ,1'S,4 $\beta$ )-AZD3293) is a Beta site APP Cleaving Enzymel (BACE1) inhibitor extracted from patent WO2012087237A1, compound 20a, has IC<sub>50</sub>s of 2.2 nM (TR-FRET assay) and 0.28 nM (sAPPp release assay), respectively[1].

[1]. Gabor Csjernyik, et al. Compounds and their use as bace inhibitors. WO2012087237A1.

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

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