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**Product Data Sheet**

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Product Name: LSD1-IN-5

Cat. No.: GC36484

**Chemical Properties**

Cas. No. 2035912-55-9

SMILES OC1=C(O)C=C(Br)C(/C=C/C2=CC(/C(N)=N/O)=CC=C2)=C1Formula C<sub>15</sub>H<sub>13</sub>BrN<sub>2</sub>O<sub>3</sub> M.Wt 349.18

Solubility Soluble in DMSO 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**

LSD1-IN-5 (Compound 4e) is a potent and reversible inhibitor of lysine-specific demethylase 1 (LSD1), with an IC<sub>50</sub> of 121 nM. LSD1-IN-5 increases dimethylated Lys4 of histone H3, shows no effect on expression of LSD1[1]. IC<sub>50</sub>: 121 nM (LSD1)[1]

[1]. Duan YC, et al. Discovery of resveratrol derivatives as novel LSD1 inhibitors: Design, synthesis and their biological evaluation. Eur J Med Chem. 2017 Jan 27;126:246-258.

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

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