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**Product Data Sheet**

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Product Name: HSD-016  
Cat. No.: GC64659

**Chemical Properties**

Cas. No. 946396-92-5

Formula C<sub>21</sub>H<sub>21</sub>F<sub>7</sub>N<sub>2</sub>O<sub>3</sub>S M.Wt 514.46

Solubility DMSO : 100 mg/mL (194.38 mM; Need ultrasonic) 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**

HSD-016 is a potent, selective and orally active 11 $\beta$ -hydroxysteroid dehydrogenase type 1 (11 $\beta$ -HSD1) inhibitor with IC<sub>50</sub> values of 11, 1 and 8 nM against human, mouse and rat 11 $\beta$ -HSD1, respectively. HSD-016 can be used for type 2 diabetes research[1].

[1]. Wan ZK, et al. Synthesis of potent and orally efficacious 11 $\beta$ -hydroxysteroid dehydrogenase type 1 inhibitor HSD-016. J Org Chem. 2011 Sep 2;76(17):7048-55.

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

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