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**Product Data Sheet**

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Product Name: CYP17-IN-1

Cat. No.: GC35788

**Chemical Properties**

Cas. No. 2093317-51-0

SMILES CC1=CC=NC=C1CN(CC2)CC3=C2C4=CC(F)=CC=C4S3Formula C<sub>18</sub>H<sub>17</sub>FN<sub>2</sub>S M.Wt 312.4

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**

CYP17-IN-1 (compound 9c) is a potent and orally active CYP17 inhibitor against rat and human CYP17 with IC<sub>50</sub>s of 15.8 and 20.1 nM[1]. IC<sub>50</sub>: 15.8 nM (Rat CYP17), 20.1 nM (Human CYP17)[1]

CYP17-IN-1 (compound 9c) exhibits an IC<sub>50</sub> value of 8.5 μM against CYP3A4[1].

CYP17-IN-1 (compound 9c) reduces plasma testosterone level in a dose-dependent manner in Sprague-Dawley rats[1].

[1]. Wang M, et al. Discovery of novel 1,2,3,4-tetrahydrobenzo[4, 5]thieno[2, 3-c]pyridine derivatives as potent and selective CYP17 inhibitors. Eur J Med Chem. 2017 May 26;132:157-172.

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

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