

<b>Product Name</b>	: CYP17-IN-1
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M26134
<b>CAS Number</b>	: 2093317-51-0
<b>Molecular Formula</b>	: C <sub>18</sub> H <sub>17</sub> FN <sub>2</sub> S
<b>Formula Weight</b>	: 312.4
<b>Chemical Name</b>	: —
<b>Description</b>	: CYP17-IN-1 is an effective oral CYP17 inhibitor that can inhibit CYP17 in rats and humans with IC <sub>50</sub> of 15.8 and 20.1 nM. (In Vitro): The IC <sub>50</sub> value of CYP17-IN-1 for CYP3A4 is 8.5 μM. (In Vivo): CYP17-IN-1 dose-dependently reduced plasma testosterone levels in Sprague-Dawley rats.
<b>Pathway</b>	: Metabolic Enzyme/Protease
<b>Target</b>	: P450
<b>Receptor</b>	: carbonic anhydrase
<b>Solubility</b>	: —
<b>SMILES</b>	: <chem>Cc1ccncc1CN1CCc2c(C1)sc1ccc(F)cc21</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

1. Prete SD, et, al. Escherichia coli γ-carbonic anhydrase: characterisation and effects of simple aromatic/heterocyclic sulphonamide inhibitors. J Enzyme Inhib Med Chem. 2020 Dec;35(1):1545-1554.