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**Product Data Sheet**

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Product Name: GSK3 $\beta$  Inhibitor XI

Cat. No.: GC18810

**Chemical Properties**

Cas. No. 626604-39-5

Chemical Name 3-[1-(3-hydroxypropyl)-1H-pyrrolo[2,3-b]pyridin-3-yl]-4-(2-pyrazinyl)-1H-pyrrole-2,5-dione

SMILES O=C(N1)C(C2=CN=CC=N2)=C(C3=CN(CCCO)C4=C3C=CC=N4)C1=OFormula C<sub>18</sub>H<sub>15</sub>N<sub>5</sub>O<sub>3</sub> M.Wt 349.3

Solubility DMSO: 5 mg/ml 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**

GSK3 $\beta$  inhibitor XI is a potent inhibitor of glycogen synthase kinase 3 $\beta$  (GSK3 $\beta$ ;  $K_i$  = 25 nM). It is selective for GSK3 $\beta$  over a panel of 79 kinases at a concentration of 10  $\mu$ M. GSK3 $\beta$  inhibitor XI inhibits GSK3 $\beta$  in HEK293 cells ( $EC_{50}$  = 32 nM).

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

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