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**Product Data Sheet**


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Product Name: Tyk2-IN-9

Cat. No.: GC39644

**Chemical Properties**

Cas. No. 2127109-85-5

SMILES N#CC[C@@]1(N2N=CC(C3=NC(C4=CN(C)N=C4)=CN5C3=CC=N5)=C2)C[C@H](C#N)C1Formula C<sub>20</sub>H<sub>17</sub>N<sub>9</sub> M.Wt 383.41

Solubility DMSO: 3.33 mg/mL (8.69 mM; ultrasonic and adjust pH to 4 with HCl) 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**

Tyk2-IN-9 is a potent, selective and specific inhibitor of JAK kinases, inhibits Tyk2, JAK1 and JAK2 with IC<sub>50</sub> values of 6 nM, 21nM and 6nM, respectively. Tyk2-IN-9, example 19, is extracted from patent US2017240552A1[1].

[1]. Matthew Frank Brown, et al. Pyrazolo[1,5-a]pyrazin-4-yl derivatives. Patent US20170240552A1

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

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