

Product Data Sheet

Product Name: Tyk2-IN-4 (BMS-986165)

Cat. No.: GC31659

Chemical Properties

Cas. No. 1609392-27-9

SMILES O=C(C1=NN=C(NC(C2CC2)=O)C=C1NC3=CC=CC(C4=NN(C)C=N4)=C3OC)NC([2H])([2H])[2H]

Formula $C_{20}H_{19}D_3N_8O_3$ M.Wt 425.46

Solubility DMSO : 62.5 mg/mL (146.90 mM) 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.

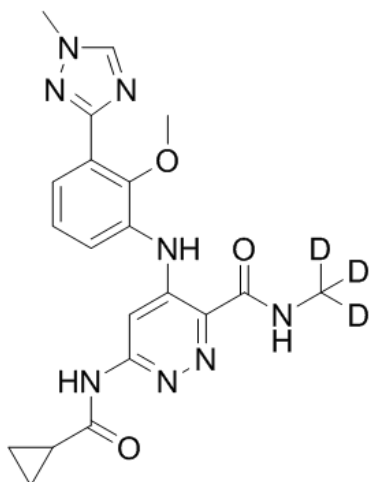
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Tyk2-IN-4 is a selective, potent, allosteric inhibitor of tyrosine kinase 2 (Tyk2).

Tyk2-IN-4 blocks receptor-mediated Tyk2 activation by stabilizing the regulatory pseudokinase domain of the protein[1].

Lupus-like disease is strongly inhibited in NZB/W mice treated with Tyk2-IN-4. Tyk2-IN-4 is safe and overall well-tolerated. There are no serious adverse events and the frequency of non-serious adverse events are similar in the active (75%) and placebo (76%) groups. After oral administration, Tyk2-IN-4 is rapidly absorbed and exhibits an apparent elimination half-life of 8-15 hours[1].

[1]. I Catlett, et al. SAT0226 A first-in-human, study of BMS-986165, a selective, potent, allosteric small molecule inhibitor of tyrosine kinase 2.

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