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**Product Data Sheet**

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Product Name: GSK2646264

Cat. No.: GC64889

**Chemical Properties**

Cas. No. 1398695-47-0

Formula C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>2</sub>

M.Wt 374.48

Solubility DMSO : 50 mg/mL (133.52 mM; ultrasonic and warming and heat to 60°C)

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**

GSK2646264 (Compound 44) is a potent and selective spleen tyrosine kinase (SYK) inhibitor with a pIC<sub>50</sub> of 7.1. GSK2646264 also inhibits other kinases with pIC<sub>50</sub> values of 5.4, 5.4, 5.3, 5, 4.5, <4.6 and <4.3 against LCK, LRRK2, GSK3 $\beta$ , JAK2, VEGFR2, Aurora B and Aurora A, respectively. GSK2646264 is penetrable into the epidermis and dermis of the skin[1].

[1]. Barker MD, et al. Discovery of potent and selective Spleen Tyrosine Kinase inhibitors for the topical treatment of inflammatory skin disease. *Bioorg Med Chem Lett*. 2018 Nov 15;28(21):3458-3462.

**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