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**Product Data Sheet**

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Product Name: PHA 408  
Cat. No.: GC67890

**Chemical Properties**

Cas. No. 503555-55-3

Formula  $C_{29}H_{27}ClFN_7O_2$

M.Wt 560.02

Solubility DMSO : 56 mg/mL (100.00 mM; Need ultrasonic and warming)

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**

PHA 408 (PHA-408) is a potent, selective and orally active **IκB kinase-2 (IKK-2)** inhibitor. PHA 408 is a powerful anti-inflammatory agent against lipopolysaccharide (LPS)- and cigarette smoke (CS)-mediated lung inflammation<sup>[1]</sup>.

[1]. Rajendrasozhan S, et al. Anti-inflammatory effect of a selective IκappaB kinase-beta inhibitor in rat lung in response to LPS and cigarette smoke. Pulm Pharmacol Ther. 2010 Jun;23(3):172-81.

**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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