

## Product Data Sheet

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Product Name: 116-9e  
Cat. No.: GC63796

### Chemical Properties

Cas. No. 831217-43-7

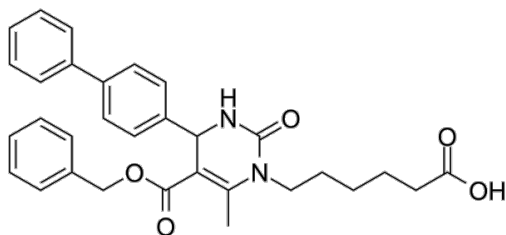
Formula C<sub>31</sub>H<sub>32</sub>N<sub>2</sub>O<sub>5</sub> M.Wt 512.6

Solubility DMSO : 100 mg/mL (195.08 mM; Need ultrasonic) 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

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

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116-9e (MAL2-11B) is a Hsp70 co-chaperone DNAJA1 inhibitor. 116-9e inhibits Simian Virus 40 (SV40) replication and DNA synthesis. 116-9e inhibits tumor antigen (TAg)'s endogenous ATPase activity and the TAg-mediated activation of Hsp70[1][2].

116-9e (MAL2-11B) inhibits TAg stimulation of Hsp70 with greater efficacy than MAL3-101, significantly reduces viral replication and DNA synthesis. MAL2-11B also inhibits the activity of the TAg ATPase domain[1]. 116-9e (MAL2-11B; 15  $\mu$ M; 5 days) significantly reduces the growth of BK virus in a human kidney cell line[1].

[1]. Christine M Wright, et al. Inhibition of Simian Virus 40 replication by targeting the molecular chaperone function and ATPase activity of T antigen. Virus Res. 2009 Apr;141(1):71-80.

[2]. Nitika, et al. Chemogenomic screening identifies the Hsp70 co-chaperone DNAJA1 as a hub for anticancer drug resistance. Sci Rep. 2020 Aug 14;10(1):13831.

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