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## Product Data Sheet

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Product Name: UMB298  
Cat. No.: GC62405

### Chemical Properties

Cas. No. 2266569-73-5

Formula  $C_{27}H_{31}ClN_4O_2$  M.Wt 479.01

Solubility DMSO : 25 mg/mL (52.19 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

UMB298 is a potent and selective CBP/P300 bromodomain inhibitor[1].

UMB298 (0.01~10  $\mu$ M; 50 days; MOLM13 and MM cells) inhibits cells growth[1]. UMB298 (1~10  $\mu$ M; 2 hours; MOLM13 cells) reduces the H3K27ac level similar to CBP30 and causes MYC depletion as a signature of CBP inhibition in acute myeloid leukemia[1]. UMB298 (3  $\mu$ M; 2hours; MOLM13 cells) down-regulates MYC expression[1].

[1]. Muthengi A, et al. Development of Dimethylisoxazole-Attached Imidazo[1,2-a]pyridines as Potent and Selective CBP/P300 Inhibitors. J Med Chem. 2021;64(9):5787-5801.

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

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