

Product Data Sheet

Product Name: TYA-018

Cat. No.: GC73442

Chemical Properties

Cas. No. 2653254-31-8

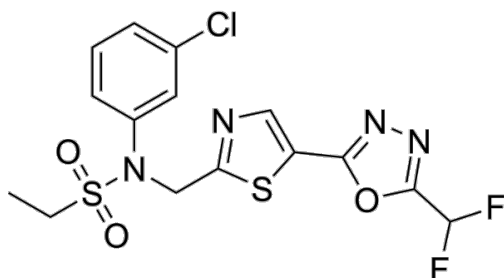
Formula $C_{15}H_{13}ClF_2N_4O_3S_2$ M.Wt 434.87

Solubility DMSO : 100 mg/mL (229.95 mM; Storage -20°C
Need ultrasonic)

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

TYA-018 is an orally active, potent and highly selective HDAC6 inhibitor. TYA-018 can protect heart function in mice. TYA-018 also enhances energetics in mice by increasing expression of targets associated with fatty acid metabolism, protein metabolism, and oxidative phosphorylation.

TYA-018 (15 mg/kg, Oral gavage, daily, for 8 weeks) protects against sarcomere damage and reduced Nppb expression in BAG3cKO mice[1].

References:

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

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[1]. Yang J, et al. Phenotypic screening with deep learning identifies HDAC6 inhibitors as cardioprotective in a BAG3 mouse model of dilated cardiomyopathy. Sci Transl Med. 2022 Jul 6;14(652):eabl5654.

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