

Product Data Sheet

Product Name: O4I4
Cat. No.: GC71337

Chemical Properties

Cas. No. 412008-21-0

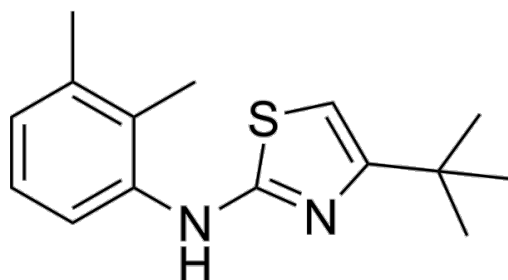
Formula $C_{15}H_{20}N_2S$ M.Wt 260.4

Solubility DMSO : 250 mg/mL (960.06 mM; Storage -20°C
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

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

O4I4 (compound 23) is a OCT4-inducing compound with metabolic stability. O4I4 extends lifespan in *Caenorhabditis elegans* and *Drosophila*. O4I4 can be used for regenerative medicine and rejuvenation research.

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

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References:

[1]. Kang H, et al. Development of a next-generation endogenous OCT4 inducer and its anti-aging effect in vivo. Eur J Med Chem. 2023 Sep 5;257:115513.

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