

Product Data Sheet

Product Name: TETi76
Cat. No.: GC74119

Chemical Properties

Cas. No. 1451750-73-4

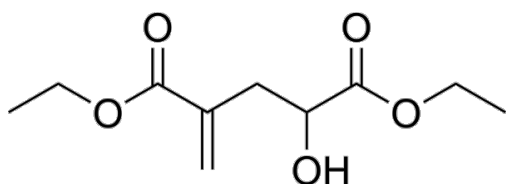
Formula $C_{10}H_{16}O_5$ M.Wt 216.23

Solubility Storage 4°C, stored under nitrogen

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

TETi76 is an orally active TET family inhibitor with IC₅₀ values of 1.5, 9.4 and 8.8 μM for TET1, TET2 and TET3, respectively. TETi76 competitively binds to the active site of TET enzymes, reduces cytosine dioxymethylation and restricts clonal growth of TET2 mutants in vitro and in vivo, but does not affect the growth of normal hematopoietic precursor cells. TETi76 can be used for leukemia research.

References:

[1]. Yihong Guan, et al. A therapeutic strategy for preferential targeting of TET2-mutant and TET

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

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dioxygenase—deficient cells in myeloid neoplasms. Blood cancer discovery 2.2 (2021): 146-161.

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