
Product Data Sheet

Product Name: 653-47
Cat. No.: GC62279

Chemical Properties

Cas. No. 1224678-75-4

Formula $C_{20}H_{19}ClN_2O_3$ M.Wt 370.83

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

653-47, a potentiator, significantly potentiates the cAMP-response element binding protein (CREB) inhibitory activity of 666-15. 653-47 is also a very weak CREB inhibitor with IC_{50} of $26.3 \mu M$ [1].

653-47 ($5-10 \mu M$) synergistically inhibits CREB-mediated gene transcription with 666-15[1].

[1]. Xie F, et al. Discovery of a Synergistic Inhibitor of cAMP-Response Element Binding Protein (CREB)-Mediated Gene Transcription with 666-15. J Med Chem. 2019;62(24):11423-11429.

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

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