

Product Data Sheet

Product Name: RAS inhibitor Abd-7

Cat. No.: GC62421

Chemical Properties

Cas. No. 2351843-48-4

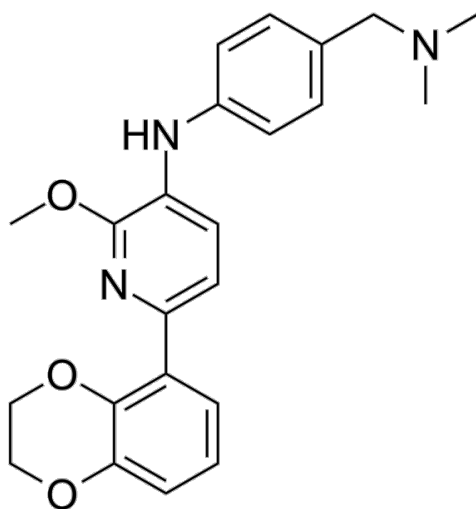
Formula $C_{23}H_{25}N_3O_3$ M.Wt 391.46

Solubility DMSO : 125 mg/mL (319.32 mM; Storage Store at -20°C
Need ultrasonic)|Water : < 0.1
mg/mL (insoluble)

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

RAS inhibitor Abd-7, a potent RAS-binding compound ($K_d=51$ nM), is a RAS-effector protein-protein interaction (PPI) inhibitor. RAS inhibitor Abd-7 interacts with RAS inside the cells, prevents RAS-effector interactions and inhibits endogenous RAS-dependent signaling. RAS inhibitor Abd-7 impairs the PPI of various mutant KRAS proteins with PI3K, CRAF and RALGDS as well as NRAS Q61H and HRAS G12V[1].

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

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RAS inhibitor Abd-7 (0-20 μ M; 24-48 hours) is a cell-potent inhibitor affecting the viability of cancer cell lines in a single digit to low micromolar range[1].

[1]. Quevedo CE, et al. Small molecule inhibitors of RAS-effector protein interactions derived using an intracellular antibody fragment. Nat Commun. 2018;9(1):3169. Published 2018 Aug 9.

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