

Product Data Sheet

Product Name: EG1
Cat. No.: GC62949

Chemical Properties

Cas. No. 693241-54-2

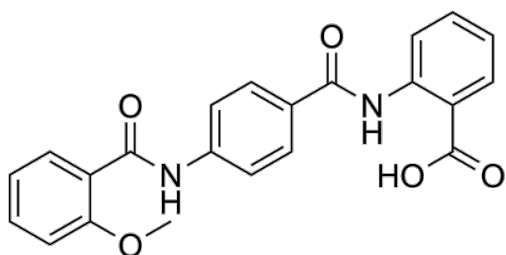
Formula $C_{22}H_{18}N_2O_5$ M.Wt 390.39

Solubility DMSO : 83.33 mg/mL (213.45 mM; Storage Store at -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

EG1, a specific Pax2 inhibitor, directly binds the paired domain of Pax2 ($K_d=1.35-1.5 \mu M$) and inhibits Pax2-DNA interactions. EG1 can inhibit embryonic kidney development, a process directly dependent

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

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on Pax2 activity[1].

EG1 (0-12.5 μ M; 48 hours) decreases viability in Pax2 positive renal cancer cell lines[1]. EG1 (0-500 μ M) is capable of inhibiting Pax2 mediated expression of EGFP without significant effects on Pax2 protein levels[1].

[1]. Grimley E, et al. Inhibition of Pax2 Transcription Activation with a Small Molecule that Targets the DNA Binding Domain. ACS Chem Biol. 2017;12(3):724-734.

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