

Product Data Sheet

Product Name: DR 2313

Cat. No.: GC12680

Chemical Properties

Cas. No. 284028-90-6

Chemical Name 2-methyl-1,5,7,8-tetrahydrothiopyrano[4,3-d]pyrimidin-4-one

SMILES CC1=NC(=O)C2=C(N1)CCSC2

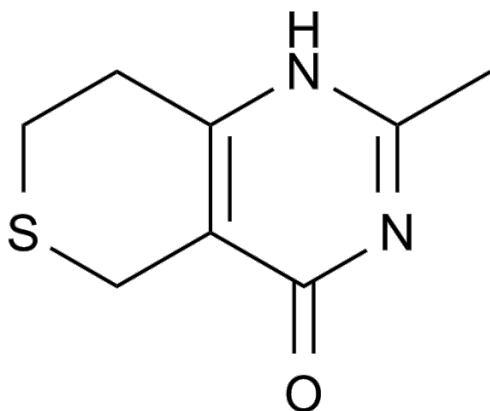
Formula $C_8H_{10}N_2OS$ M.Wt 182.24

Solubility $\geq 83.3\text{mg/mL}$ in DMSO, $\geq 9.1\text{mg/mL}$ in Water Storage Store at 4°C

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

Competitive inhibitor of poly(ADP-ribose) polymerase (PARP) (IC₅₀ values are 0.20 and 0.24 μM for PARP-1 and PARP-2 respectively). Neuroprotective; reduces neuronal cell death in models of cerebral ischemia *in vivo* and *in vitro*. Brain penetrant.

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

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