

Product Data Sheet

Product Name: hUP1-IN-1 potassium

Cat. No.: GC74646

Chemical Properties

Cas. No. 118803-30-8

Formula $C_7H_5KN_2O_2$

M.Wt 188.23

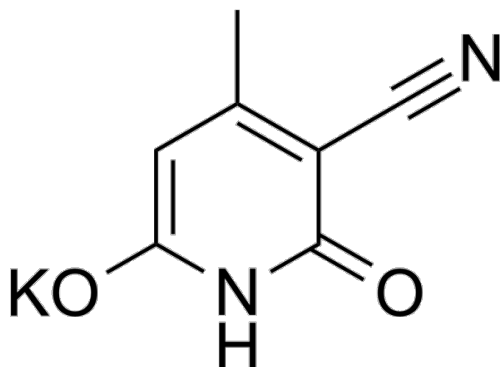
Solubility DMSO : 100 mg/mL (531.26 mM; ultrasonic and warming and heat to 80°C)

Storage 4°C, sealed storage, away from moisture

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

hUP1-IN-1 potassium (compound 6a) is a hUP1 inhibitor with K_{ii} and K_{is} of 375 and 635 nM. hUP1-IN-1 potassium shows inhibitory activities over hUP1 catalyzed reaction with 70% at 1 μ M. hUP1-IN-1 potassium can be used for the research of cancer.

References:

[1]. Renck D, et al. Design of novel potent inhibitors of human uridine phosphorylase-1: synthesis,

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

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inhibition studies, thermodynamics, and in vitro influence on 5-fluorouracil cytotoxicity. J Med Chem. 2013 Nov 14;56(21):8892-902.

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