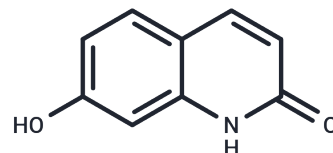


7-Hydroxycarbostyryl

Chemical Properties

CAS No. :	70500-72-0
Formula:	C ₉ H ₇ NO ₂
Molecular Weight:	161.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	7-Hydroxycarbostyryl (3,4-Dihydro-7-hydroxycarbostyryl) (3,4-Dihydro-7-hydroxycarbostyryl) is a kind of pharmaceutical intermediate.
Targets(IC50)	Others
In vitro	?VPC-80051 as the first small molecule inhibitor of hnRNP A1 splicing activity discovered to date by using a computer-aided drug discovery approach. The inhibitor was developed to target the RNA-binding domain (RBD) of hnRNP A1. Further experimental evaluation demonstrated that VPC-80051 interacts directly with hnRNP A1 RBD and reduces AR-V7 messenger levels in 22Rv1 CRPC cell line. This study lays the groundwork for future structure-based development of more potent and selective small molecule inhibitors of hnRNP A1?RNA interactions aimed at altering the production of cancer-specific alternative splice isoforms[1].

Solubility Information

Solubility	DMSO: 1mg/ml, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.205 mL	31.0251 mL	62.0501 mL
5 mM	1.241 mL	6.205 mL	12.410 mL
10 mM	0.6205 mL	3.1025 mL	6.205 mL
50 mM	0.1241 mL	0.6205 mL	1.241 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Carabet L , Leblanc E , Lallous N , et al. Computer-Aided Discovery of Small Molecules Targeting the RNA Splicing Activity of hnRNP A1 in Castration-Resistant Prostate Cancer[J]. Molecules, 2019, 24(4).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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