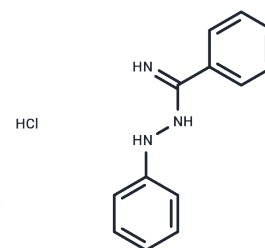


## CBS-1114 HCl

## Chemical Properties

CAS No. :	33244-00-7
Formula:	C <sub>13</sub> H <sub>14</sub> ClN <sub>3</sub>
Molecular Weight:	247.72
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CBS-1114 HCl (N-Phenylbenzamidrazone hydrochloride) is a 5-lipoxygenase inhibitor and an anti-inflammatory compound in a good eye-permeable model. CBS-1114 HCl maintains and improves cardiac function, attenuates cardiac dysfunction, as well as reduces epicardial adipose tissue and/or pericardial adipose tissue in subjects with cardiovascular disease.
Targets(IC50)	Lipoxygenase

## Solubility Information

Solubility	DMSO: 50 mg/mL (201.84 mM), 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	4.0368 mL	20.1841 mL	40.3682 mL
5 mM	0.8074 mL	4.0368 mL	8.0736 mL
10 mM	0.4037 mL	2.0184 mL	4.0368 mL
50 mM	0.0807 mL	0.4037 mL	0.8074 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Parke D V, et al. Oxyradicals, inflammation and drugs acting on oxyradical production. New Developments in Antirheumatic Therapy. 1989: 187-206.

Müller-Peddinghaus R, et al. The amplified chemiluminescence test to characterize antirheumatic drugs as oxygen radical scavengers. Biochem Pharmacol. 1987;36(7):1125-1132.

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