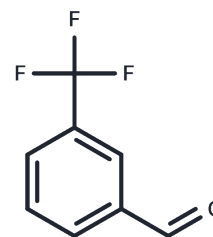


## 3-(Trifluoromethyl)benzaldehyde

## Chemical Properties

CAS No. :	454-89-7
Formula:	C <sub>8</sub> H <sub>5</sub> F <sub>3</sub> O
Molecular Weight:	174.12
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	3-(Trifluoromethyl)benzaldehyde (3-Trifluoromethylbenzaldehyde) has a strong sweet taste and is used as a flavoring agent, in the production of perfumes and cosmetics, and as an intermediate in the synthesis of various compounds.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (315.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (28.72 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7432 mL	28.7158 mL	57.4317 mL
5 mM	1.1486 mL	5.7432 mL	11.4863 mL
10 mM	0.5743 mL	2.8716 mL	5.7432 mL
50 mM	0.1149 mL	0.5743 mL	1.1486 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.

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