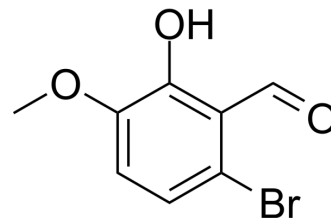


6-Bromo-2-hydroxy-3-methoxybenzaldehyde

Cat. No.:	HY-107371		
CAS No.:	20035-41-0		
Molecular Formula:	C ₈ H ₇ BrO ₃		
Molecular Weight:	231.04		
Target:	IRE1		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (432.83 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.3283 mL	21.6413 mL	43.2826 mL
		5 mM	0.8657 mL	4.3283 mL	8.6565 mL
10 mM		0.4328 mL	2.1641 mL	4.3283 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	6-Bromo-2-hydroxy-3-methoxybenzaldehyde (NSC95682) is an IRE-1 α inhibitor with an IC ₅₀ of 0.08 μ M, extracted from patent WO 2008154484 A1, IRE-1 α inhibitor compound 3-5.
IC ₅₀ & Target	IC ₅₀ : 0.08 μ M (IRE-1 α) ^[1]

REFERENCES

[1]. John Bruce Patterson, et al. Ire-1a inhibitors. WO 2008154484 A1

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

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