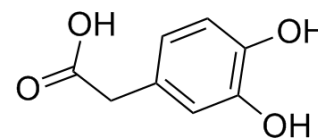


3,4-Dihydroxybenzeneacetic acid

Cat. No.:	HY-W001080		
CAS No.:	102-32-9		
Molecular Formula:	C ₈ H ₈ O ₄		
Molecular Weight:	168.15		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	3,4-Dihydroxybenzeneacetic acid is the main neuronal metabolite of dopamine.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	3,4-Dihydroxybenzeneacetic acid is the main neuronal metabolite of dopamine. Cerebrospinal fluid (CSF) 3,4-Dihydroxybenzeneacetic acid (DOPAC) is derived from intra-neuronal metabolism of cytoplasmic dopamine, and acts as a sensitive and specific biomarker of central dopamine deficiency ^[1] .

REFERENCES

[1]. Goldstein DS, et al. Elevated cerebrospinal fluid ratios of cysteinyl-dopamine/3,4-dihydroxyphenylacetic acid in parkinsonian synucleinopathies. *Parkinsonism Relat Disord.* 2016 Oct;31:79-86.

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

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