



N-Feruloyloctopamine

Cat. No.:	OB0225WX-1650
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	N-Feruloyloctopamine is a naturally occurring alkaloid derivative identified as a secondary metabolite from botanical sources.
Synonym	66648-44-0; N-trans-Feruloyloctopamine; (E)-N-[2-hydroxy-2-(4-hydroxyphenyl)ethyl]-3-(4-hydroxy-3-methoxyphenyl)prop-2-enamide; Trans-N-Feruloyloctopamine; (2E)-N-[2-hydroxy-2-(4-hydroxyphenyl)ethyl]-3-(4-hydroxy-3-methoxyphenyl)prop-2-enamide; Octopamine, N-feruloyl-; (2E)-N-(2-hydroxy-2-(4-hydroxyphenyl)ethyl)-3-(4-hydroxy-3-methoxyphenyl)prop-2-enamide; (E)-N-(2-hydroxy-2-(4-hydroxyphenyl)ethyl)-3-(4-hydroxy-3-methoxyphenyl)prop-2-enamide; N-feruloyloctopamine; N-feruloyl-Octopamine; Octopamine, N-feruloyl-; N-cis-Feruloyloctopamine; (2S,E)-N-(2-hydroxy-2-(4-hydroxyphenyl)ethyl)ferulamide; (2<i>i>S,E)-N-[2-hydroxy-2-(4-hydroxyphenyl)ethyl]ferulamide; N-[2-hydroxy-2-(4-hydroxyphenyl)ethyl] ferulamide
CAS No.	66648-44-0
Compound CID	24096391
Formula	C ₁₈ H ₁₉ NO ₅
Formula Weight	329.35

Specification

Relative Density	1.321 g/cm ³
IUPAC Name	(E)-N-[2-Hydroxy-2-(4-hydroxyphenyl)ethyl]-3-(4-hydroxy-3-methoxyphenyl)prop-2-enamide



InChI	InChI=1S/C18H19NO5/c1-24-17-10-12(2-8-15(17)21)3-9-18(23)19-11-16(22)13-4-6-14(20)7-5-13/h2-10,16,20-22H,11H2,1H3,(H,19,23)/b9-3+
InChI Key	VJSCHQMOTSXAKB-YCRREMRBSA-N
SMILES string	<chem>COC1=C(C=CC(=C1)/C=C/C(=O)NCC(C2=CC=C(C=C2)O)O)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	N-Feruloyloctopamine is utilized in antioxidant and metabolic research as a natural alkaloid to investigate its ability to modulate oxidative stress and specific intracellular signaling pathways.

Library Information

Target	p38 MAPK; Akt
Receptor	p38 MAPK; Akt
Pathways	Cytoskeletal signaling; MAPK; PI3K/Akt/mTOR signaling
Plate Number	AOCL-22
Plate Location	b5
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	96 mg/mL; 296.48 mM