

Ro 41-0960

Chemical Properties

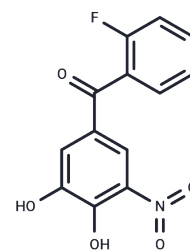
CAS No. : 125628-97-9

Formula: C₁₃H₈FN₂O₅

Molecular Weight: 277.2

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	Ro 41-0960 is used as a reversible and orally-active COMT-inhibitor.
Targets(IC50)	Others,Transferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6075 mL	18.0375 mL	36.075 mL
5 mM	0.7215 mL	3.6075 mL	7.215 mL
10 mM	0.3608 mL	1.8038 mL	3.6075 mL
50 mM	0.0722 mL	0.3608 mL	0.7215 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

- Gálvez-Llompарт M, Recio MC, García-Domenech R, Gálvez J. Molecular topology: a strategy to identify novel compounds against ulcerative colitis. *Mol Divers*. 2017 Feb;21(1):219-234. doi: 10.1007/s11030-016-9706-7. Epub 2016 Oct 12. PubMed PMID: 27734189.
- Gallardo E, Madrona A, Palma-Valdés R, Espartero JL, Santiago M. Effect of intracerebral hydroxytyrosol and its nitroderivatives on striatal dopamine metabolism: A study by in vivo microdialysis. *Life Sci*. 2015 Aug 1;134:30-5. doi: 10.1016/j.lfs.2015.04.026. Epub 2015 May 30. PubMed PMID: 26032260.
- Yang H, Ahn C, Jeung EB. Differential expression of calcium transport genes caused by COMT inhibition in the duodenum, kidney and placenta of pregnant mice. *Mol Cell Endocrinol*. 2015 Feb 5;401:45-55. doi: 10.1016/j.mce.2014.11.020. Epub 2014 Dec 5. PubMed PMID: 25486511.
- Herndon JM, Cholanians AB, Lizarraga LE, Lau SS, Monks TJ. Catechol-o-methyltransferase and 3,4-(+/-)-methylenedioxymethamphetamine toxicity. *Toxicol Sci*. 2014 May;139(1):162-73. doi: 10.1093/toxsci/kfu035. Epub 2014 Mar 3. PubMed PMID: 24591155; PubMed Central PMCID: PMC4007109.

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