

Curti Daniela - Selected Publications

- 1) Rui M, Rossi D, Marra A, Paolillo M, Schinelli S, **Curti D**, Tesei A, Cortesi M, Zamagni A, Laurini E, Pricl S, Schepmann D, Wünsch B, Urban E, Pace V, Collina S. Synthesis and biological evaluation of new aryl-alkyl(alkenyl)-4-benzylpiperidines, novel Sigma Receptor (SR) modulators, as potential anticancer-agents. *Eur J Med Chem.* 2016 Nov 29;124:649-665.
- 2) Marra A, Rossi D, Maggi L., Corana F., Mannucci B., Peviani M., Curti D., Collina S.: Development of easy to use reverse phase liquid chromatographic methods for determining PRE-084, RC-33 and RC-34 in biological matrices. The first step for in vivo analysis of sigma1 receptor agonists. *Biomed Chromat.* 2016, 30:645-51.
- 3) Peviani M., Salvaneschi E., Bontempi L., Petese A., Rossi D., Salmona M., Collina S., Bigini P., Curti D.: Neuroprotective and immunomodulatory effects of the Sigma-1 receptor (S1R) agonist PRE-084, in a mouse model of motor neuron disease not linked to SOD1 mutation. *Neurobiol Dis.* 2014, 62 :218-232.
- 4) Rossi D, Marra A, Rui M., Laurini E., Fermeglia M., Pricl S., Schepmann D., Wuensch B., Peviani M., Curti D., Collina S.: A step forward in the sigma enigma: A role for chirality in the sigma1 receptor-ligand interaction? *Med Chem Com.* 2014.
- 5) Rossi D., Pedrali A., Gaggeri R., Marra A., Pignataro L., Laurini E., Dal Col V., Fermeglia M., Pricl S., Schepmann D., Wuensch B., Peviani M., Curti D., Collina S.: Chemical, pharmacological and in vitro metabolic stability studies on enantiomerically pure RC-33 compounds, promising neuroprotective agents acting as sigma 1 receptor agonists. *Chem Med Chem*, 2013, 8: 1514-1527.
- 6) DiFebo F., Curti D., Botti F., Biella G., Bigini P., Mennini T., Toselli M.: Neural precursors (NPCs) from adult L967Q mice display early commitment to "in vitro" neuronal differentiation and hyperexcitability. *Exp Neurol.* 2012, 236: 307-318.
- 7) Rossi D, Pedrali A, Urbano M, Gaggeri R, Serra M, Fernández L, Fernández M, Caballero J, Ronsisvalle S, Prezzavento O, Schepmann D, Wuensch B, Peviani M, Curti D, Azzolina O, Collina S.: Identification of a potent and selective sigma-1 receptor agonist potentiating NGF-induced neurite outgrowth in PC12 cells. *Bioorganic & Med Chem.* 2011,19: 6210-6224.
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- 9) Paolillo M, Russo MA, Curti D, Lanni C, Schinelli S.: Endothelin B receptor antagonists block proliferation and induce apoptosis in glioma cells. *Pharmacol Res.* 2010, 61:306-15.
- 10) Bastone A, Fumagalli E., Bigini P., Perini P., Bernardinello D., Cagnotto A., Mereghetti I., Curti D., Salmona M., Mennini T.: Proteomic profiling of cervical and lumbar spinal cord reveals potential protective mechanisms in the wobbler mouse, a model of motor neuron degeneration. *J Proteome Res.* 2009, 8:5229-40.

- 11) Cova E, Cereda C, Galli A, Curti D, Finotti C, Di Poto C, Corato M, Mazzini G, Ceroni M.: Modified expression of Bcl-2 and SOD1 proteins in lymphocytes from sporadic ALS patients. *Neurosci Lett*, 399:186-190, 2006.
- 12) Santoro B., Bigini P., Levandis G., Nobile V., Biggiogera M., Botti F., Mennini T., Curti D.: Evidence for chronic mitochondrial impairment in the cervical spinal cord of a murine model of motor neuron disease. *Neurobiol Dis.*2004, 17: 349-357.
- 13) Bez A., Corsini E., Curti D., Biggiogera M., Colombo A., Nicosia R.F., Pagano S.F., Parati E.A.: Neurosphere and neurosphere-forming cells: morphological and ultrastructural characterization. *Brain Research*. 2003, 993: 18-29.
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