

## Mass Spectrometry of New Serotonin Transporter Inhibitors.

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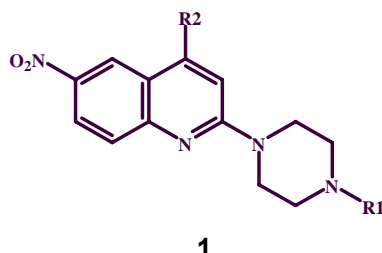
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The serotonin (5-HT) transporter (SERT) is the main molecular target for the selective serotonin reuptake inhibitors (SSRIs), currently the most prescribed antidepressant drugs. We obtained several new potential SERT and 5-HT<sub>1A</sub> receptor ligands of the general formula **1**. The compounds were evaluated in SERT affinity tests and appeared to possess high (nanomolar) affinity to SERT.



We examined a fragmentation of some new SSRI's (active in *in vitro* and *in vivo* tests) in MS sources and found exceptional stability of negative ions.

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