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Solubilities of Cimaterol and Mabuterol in SF-CO₂

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摘要 The solubilities of two β -agonists, cimaterol and mabuterol, insupercritical carbon dioxide (SF-CO₂) were measured by arecirculating method at temperatures of 40 C and 60 C and pressures between 9 MPa to 49 MPa. The compounds exhibit very limited solubilities in the range of 10⁻⁵ to 10⁻⁷ (mole fraction). Cimaterol has a higher solubility than that of mabuterol. The experimental data of solubility were correlated by four density-based models. The correlation accuracy highly depends on the system investigated, which is mainly determined by the density ranges and temperature.

关键词 [\$\beta\$ -agonists](#) [cimaterol](#) [mabuterol](#) [supercritical carbon dioxide](#) [solubility in page](#)

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