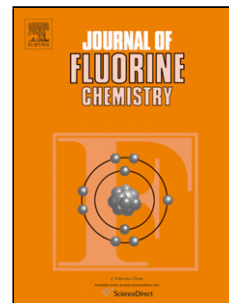


## Accepted Manuscript

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**Full length article****Fluorination at the 4 position alters the substrate behavior of L-glutamine and L-glutamate: Implications for positron emission tomography of neoplasias**

Short title: Enzymatic behavior of 4-fluorinated L-glutamine and L-glutamate analogues

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