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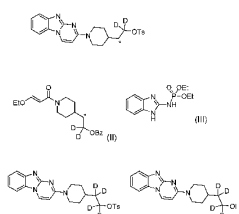
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(54) **Title:** SYNTHESIS OF LABELED IMIDAZO[1,2-A]PYRIMIDINES



(57) **Abstract:** A method of synthesizing, comprising a step of making an imidazo-pyrimidine compound by coupling a first compound of formula (I) with a second compound of formula (II). Followed by a deprotection and tosylation step. The methods are able to produce an isotopically substituted molecule having upwards of 95% purity relative to non-isotopically substituted molecules. The invention further comprises compounds of formula:

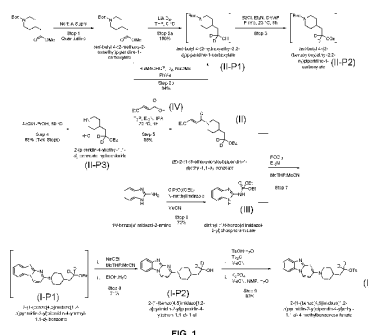


FIG. 1

WO 2020/227575 A1

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