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(54) Title: A FUSED RING HETEROARYL COMPOUND AS AN ALK4/5 INHIBITOR

(57) Abstract: The invention provides novel substituted heterocyclic compounds represented by Formula I, or a pharmaceutically acceptable salt, solvate, polymorph, ester, tautomer or prodrug thereof, and a composition comprising these compounds. The compounds provided can be used as inhibitors of ALK5 and/or ALK4 and are useful in the treatment of pulmonary fibrosis, NASH, obesity, diabetes, cancers and other inflammation.

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