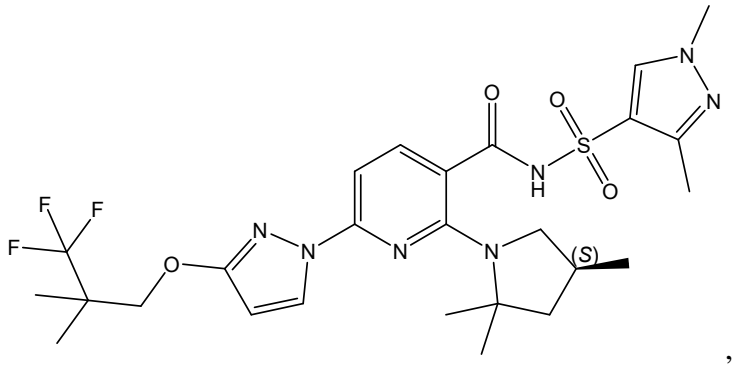
CLAIMS

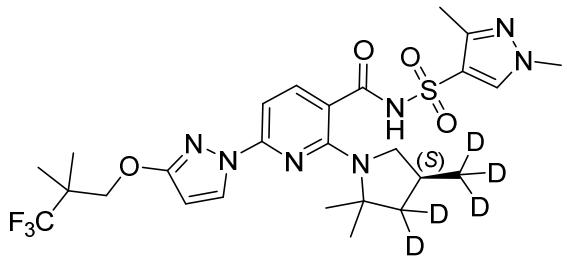
1. A compound having the following formula:



,

a pharmaceutically acceptable salt thereof, or a deuterated derivative of any of the foregoing.

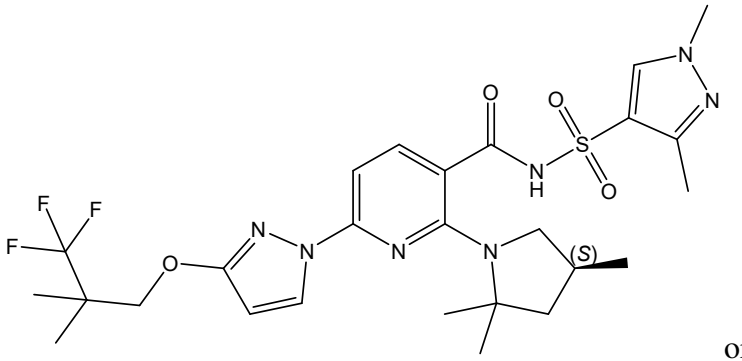
2. A compound according to claim 1 having the following formula:



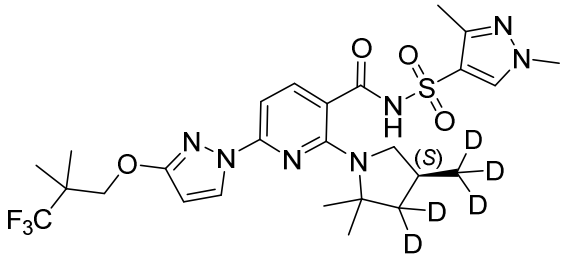
or a pharmaceutically acceptable salt thereof.

3. A pharmaceutical composition comprising at least one compound chosen from compounds of claim 1 or claim 2, a pharmaceutically acceptable salt thereof, or a deuterated derivative of any of the foregoing.

4. A compound having the following formula:



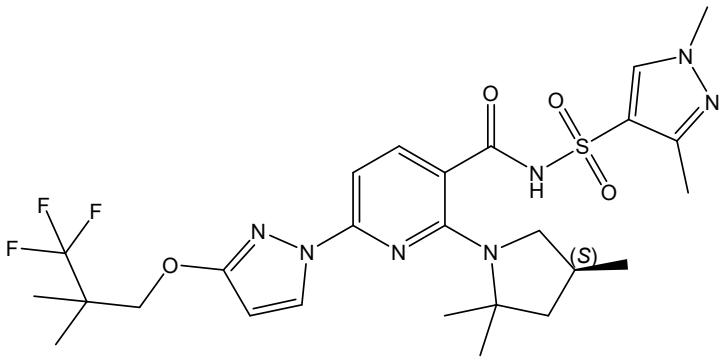
or



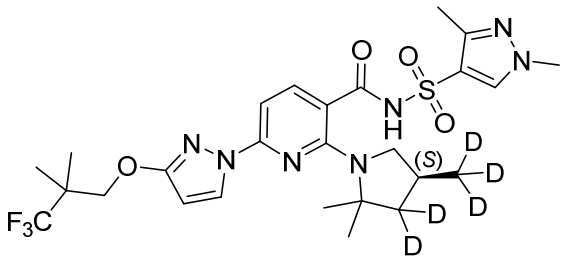
,

or a pharmaceutically acceptable salt thereof, or a deuterated derivative of any of the foregoing, or a pharmaceutical composition according to claim 3 for use in a method of treating cystic fibrosis.

5. Use of a compound having the following formula:



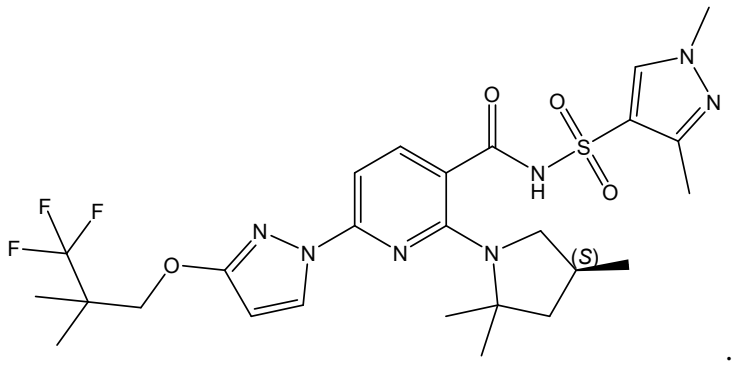
or



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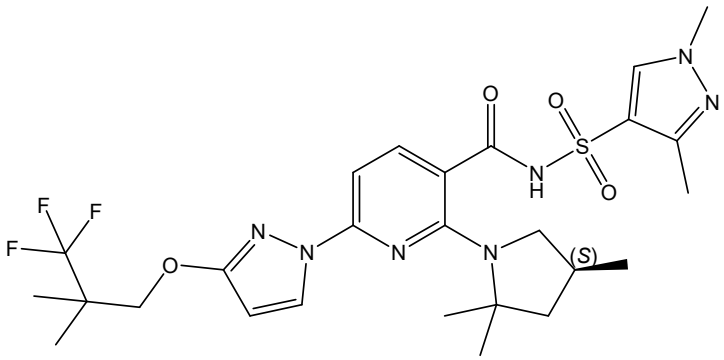
or a pharmaceutically acceptable salt thereof, or a deuterated derivative of any of the foregoing, or a pharmaceutical composition according to claim 3, in the manufacture of a medicament for the treatment of cystic fibrosis.

6. A compound according to claim 1 having the following formula:

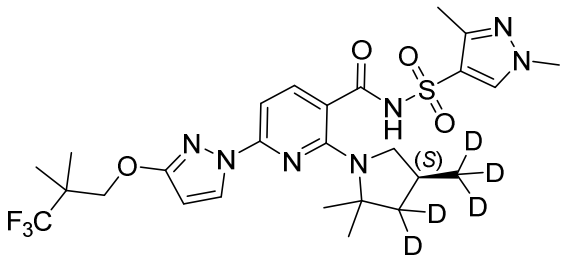


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7. A pharmaceutical composition according to claim 3 comprising a compound having a formula:



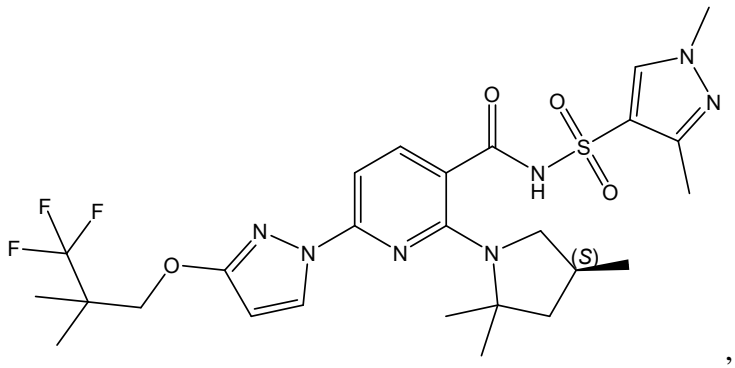
or



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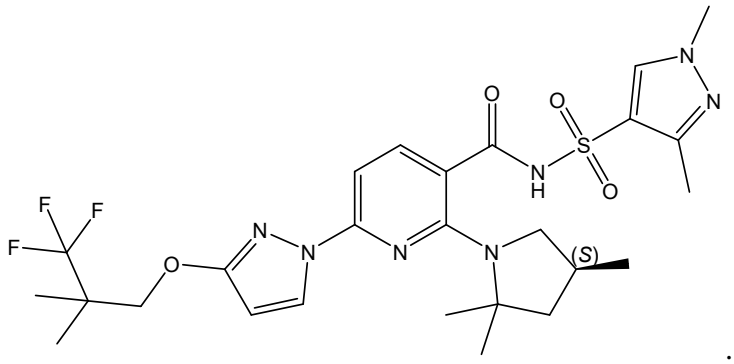
and a pharmaceutically acceptable carrier.

8. The use of claim 5, wherein the compound is a compound having the following formula:



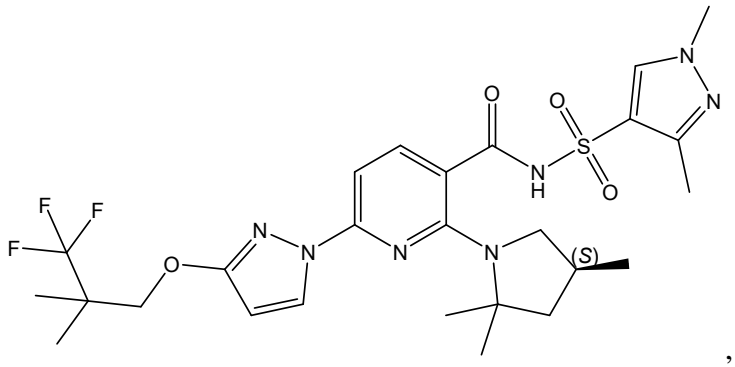
or the pharmaceutical composition is the pharmaceutical composition of claim 7.

9. A pharmaceutically acceptable salt according to claim 1 of a compound having the following formula:



10. A pharmaceutical composition according to claim 3 comprising the pharmaceutically acceptable salt of claim 9 and a pharmaceutically acceptable carrier.

11. The use of claim 5, wherein the pharmaceutically acceptable salt is a pharmaceutically acceptable salt of a compound having the following formula:



or the pharmaceutical composition is the pharmaceutical composition of claim 10.