

## Supporting Information

### DBS Assay with LC-MS/MS for the Determination of Idelalisib, A Selective PI3K- $\delta$ Inhibitor in Mice Blood and Its Application to a Pharmacokinetic Study

#### Authors

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**Supplementary Table 1S.** Summary of published LC-MS/MS and HPLC assay methods for idelalisib quantitation in various biological matrices

Parameters								Reference
Linearity range (ng/mL)	Plasma volume (µL)	Total run time (min)	Column/injection volume	Recovery (%)	Extraction technique/Internal standard	Ionization/acquisition mode	Application	
1.15-576	50	4.00	YMC-PACK ODS C <sub>18</sub> /5 µL	84-87	LLE/tolbutamide	ESI/SRM	PK study in rats	[6]
20-4000	250	10.0	ODS C <sub>18</sub> /10 µL	81-91	PPT/ibrutinib	HPLC	PK study in rabbits	[7]
10-2500	50	3.00	UPLC BEH C <sub>18</sub> /5 µL	84-86	PPT/[ <sup>2</sup> H <sub>5</sub> ]-idelalisib	ESI/SRM	In cancer patients	[8]
0.10-600	50	3.00	UPLC BEH C <sub>18</sub> /2 µL	85-92	LLE/[ <sup>2</sup> H <sub>5</sub> ]-idelalisib	ESI/SRM	PK study in dogs	[9]
70-7017	NA	NA	NA	NA	SPE/NA	NA	BE study in healthy humans	[10]
1.01-4797	10*	2.00	Atlantis dC <sub>18</sub> /2 µL	67-69	LLE/larotrectinib	ESI/MRM	PK study in mice	Present method

\*: matrix is blood; BE: bioequivalence; ESI: electro-spray ionization; LLE: liquid-liquid extraction; MRM: multiple reaction monitoring; NA: not available; PK: pharmacokinetic; PPT: protein precipitation; SPE: solid phase extraction; SRM: selective reaction monitoring.