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| **Intra-vesicular cation** | **Plateau ± s.e.m.****(% of uptake in intra-vesicular NMDG+)** | **k ± s.e.m.****(min-1)** | **R2** | **N** |
| K+ | 255 ± 20 | 0.055 ± 0.011 | 0.85 | 3 |
| Rb+ | 254 ± 10 | 0.058 ± 0.006 | 0.96 | 3 |
| Cs+ | 93 ± 6 | 0.077 ± 0.015 | 0.80 | 3 |
| NMDG+ | 100 ± 3 | 0.056 ± 0.005 | 0.96 | 3 |
| **Figure 3 – Source data 1.**  **Rate constants for time-dependent uptake of [3H]alanine by LeuT into proteoliposomes**. Rate constants from time-dependent [3H]alanine uptake into proteoliposomes with LeuT fitted to one phase association in GraphPad Prism 9.0 (see Figure 3B).  |