**Table S1: Serum and brain bumetanide levels, and brain:serum ratio in littermate controls**

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| --- | --- | --- | --- | --- | --- |
| Dose (mg/kg) | Time (min) | n | Serum Conc. (ng/g) | Brain Conc. (ng/g) | Brain:serum ratio |
| 0.15 | 10 | 3 | 208 ± 7.1 | 0.76 ± 0.07 | 0.0037 ± 0.0002 |
| 0.3 | 10 | 3 | 340 ± 24.9 | 1.22 ± 0.08 | 0.0036 ± 0.0001 |
| 0.15 | 30 | 4 | 119 ± 12.8 | 0.54 ± 0.06 | 0.0045 ± 0.0003 |
| 0.3 | 30 | 4 | 220 ± 30.2 | 0.94 ± 0.09 | 0.0053 ± 0.0007 |
| 0.15 | 60 | 3 | 79.9 ± 4.2 | 0.43 ± 0.04 | 0.0056 ± 0.0007 |
| 0.3 | 60 | 3 | 106 ± 26.8 | 0.55 ± 0.15 | 0.0056 ± 0.0014 |
| 0.15 | 120 | 2 | 13.1 ± 2.7 | 0.12 ± 0.01 | 0.0092 ± 0.0023 |
| 0.3 | 120 | 4 | 25.8 ± 4.0 | 0.20 ± 0.01 | 0.0077 ± 0.0010 |