Table 7-1. The summary of the inhibition experiments.

Sham side

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Evaluated function | Variable | DMSO | 2-DG | MSDC-0160 | 4-CIN |
| Energy currency | ATP | → | ↓ | ↓ | → |
| Monocarboxylate transport | MCT-1 positive schwann cell | → | ↑ | ↑ | ↑ |
| Mitochondrial atypicality | Axon | → | ↓↓ | ↓ | → |
| Schwann cell | → | ↓ | ↓ | ↓ |
| WD progression | Myelinated axon | → | ↓ | ↓ | ↓ |
| G-ratio | → | ↓ | → | → |

Transection side

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Evaluated function | Variable | DMSO | 2-DG | MSDC-0160 | 4-CIN |
| Energy currency | ATP | ↓ | ↓↓ | ↓ | ↓↓ |
| Monocarboxylate transport | MCT-1 positive schwann cell | ↑ | ↑↑ | ↑↑ | ↑↑ |
| Mitochondrial atypicality | Axon | ↓↓ | ↓↓ | ↓↓ | ↓↓↓ |
| Schwann cell | ↓ | ↓ | ↓↓ | ↓↓↓ |
| WD progression | Myelinated axon | ↓↓ | ↓↓↓ | ↓↓ | ↓↓↓↓ |
| G-ratio | ↓ | ↓↓ | ↓ | ↓↓↓ |