

**Table 4.1:** Docking scores of our six compounds into the COX-1 and COX-2 active site. Docking scores of flurbiprofen and celecoxib are also shown.

| <b>Molecule</b> | <b>Autodock Score</b> | <b>Autodock Score</b> |
|-----------------|-----------------------|-----------------------|
|                 | <b>in COX-1</b>       | <b>in COX-2</b>       |
|                 | <b>(kcal/mol)</b>     | <b>(kcal/mol)</b>     |
| Am1             | -7.8                  | -7.9                  |
| Am2             | -7.7                  | -8.0                  |
| Am3             | -7.7                  | -8.1                  |
| Am4             | -7.9                  | -8.6                  |
| Am5             | -7.7 (resonance-1)    | -7.9 (resonance-1)    |
|                 | -7.9 (resonance-2)    | -7.9 (resonance-2)    |
| Am6             | -8.5                  | -8.4                  |
| Flurbiprofen    | -8.7                  | -8.0                  |
| Celecoxib       | -8.5                  | -10.6                 |