|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | hT1R2-VFTM | hT1R3-VFTM | hT1R2-TMD | hT1R3-TMD |
| D-Tryp | **+** |  |  |  |
| Aspartame | **+** |  |  |  |
| Neotame | **+** |  |  |  |
| Cyclamate |  |  |  | **+** |
| NHDC |  |  |  | **+** |
| SWT819 |  |  | **+** |  |
| Alitame | **?** |  |  |  |
| Super Aspartame | **?** |  |  |  |
| SC45647 | **?** |  |  |  |
| Cyanosuosan | **?** |  |  |  |
| Sucrose | **?** | **?** |  |  |
| Sucralose | **?** | **?** |  |  |
| Saccharin | **?** | **?** |  | **?** |
| AceK | **?** | **?** |  | **?** |
| Guanidineacetic acid | **-** | **-** | **-** | **-** |
| P-4000 | **-** | **-** | **-** | **-** |
| Perillartine | **-** | **-** | **-** | **-** |
| CMB | **-** | **-** | **-** | **-** |
| Mogroside V | **-** | **-** | **-** | **-** |
| Dulcin | **-** | **-** | **-** | **-** |
| Rebaudioside A | **-** | **-** | **-** | **-** |
| Stevioside | **+** | **-** | **-** | **-** |
| Glycyrrhizic acid | **-** | **-** | **-** | **-** |
| Xylitol | **-** | **-** | **-** | **-** |
| DHB | **-** | **-** | **-** | **-** |

**Table 1.** Characterization of potential binding sites of sweet taste receptor for some sweeteners. **+**: Classified binding sites for the sweeteners; **?**: Possible binding sites for the sweeteners; **-**: Unknown binding sites for the sweeteners. CMB: 2-carboxy-4’-methoxybenzophenone; DHB: 2,4-dihydroxybenzoic acid; NHDC: Neohesperidin Dihydrochalcone