

```
CREATE TABLE `molecules` (  
  `id` int(11) NOT NULL auto_increment,  
  `molecule_name` mediumtext collate utf8_bin NOT NULL,  
  `structural_formula` varchar(255) collate utf8_bin NOT NULL,  
  `smiles` varchar(255) collate utf8_bin NOT NULL,  
  `svg_image` longtext collate utf8_bin NOT NULL,  
  `date_created` date NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
```

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```
--  
-- Tabelstructuur voor tabel `partners`  
--
```

```
CREATE TABLE `partners` (  
  `reaction_id` int(11) NOT NULL,  
  `molecule_id` int(11) NOT NULL,  
  `role` enum('reactant','product','solvent','catalyst','ligand','base','acid') collate utf8_bin NOT NULL  
  default 'reactant',  
  `ratio` int(11) NOT NULL default '100',  
  KEY `reaction_id` (`reaction_id`,`molecule_id`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
```

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```
--  
-- Tabelstructuur voor tabel `reactions`  
--
```

```
CREATE TABLE `reactions` (  
  `id` int(11) NOT NULL auto_increment,  
  `date_added` date NOT NULL,  
  `doi` varchar(255) collate utf8_bin NOT NULL,  
  `reaction_temperature` int(11) NOT NULL COMMENT '°C',  
  `reaction_time` int(11) NOT NULL COMMENT '(min)',  
  `comment` varchar(255) collate utf8_bin NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
```