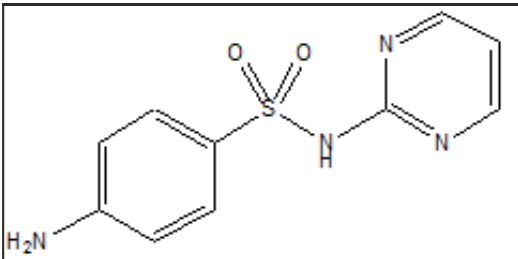


Records found: 1

| Compound: Sulfadiazine | | | | | | | |
|---|-------------------|--------------------------------------|------------|------------|------------|-------------------|------------------|
|  | | | | | | | |
| CAS: | | 68-35-9 | | | | | |
| Category: | | Anti-infective Agents | | | | | |
| Subcategory: | | Antibiotics (Sulfonamides) | | | | | |
| Formula: | | C10 H10 N4 O2 S | | | | | |
| Molecular Weight: | | 250.28 | | | | | |
| SMILES: | | NC1=CC=C(C=C1)S(=O)(=O)NC1=NC=CC=N1> | | | | | |
| pKa: | | 2.0, 6.5 | | | | | |
| Low est Solubility (mg/ml): | | 0.01 | | | | | |
| Human Permeability (x 10 ⁴ cm/s): | | N/A | | | | | |
| cLogP (BioLoom 5.0): | 0.1 | LOW Permeability | | | | | |
| logP: | -0.09 | LOW Permeability | | | | | |
| Country List: | Minimum Dose (mg) | Maximum Dose (mg) | Do (min)** | Do (max)** | Solubility | BCS Class (cLogP) | BCS Class (logP) |
| WHO | 500.0 | 500.0 | 200.0 | 200.0 | LOW | Class IV | Class IV |

** A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.